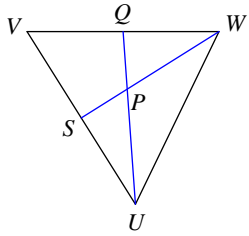


Assignment

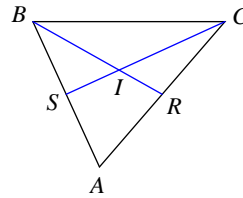
Each figure shows a triangle with one or more of its medians.

1) Find QV if $QV = 7x - 1$ and $QW = 4x + 5$



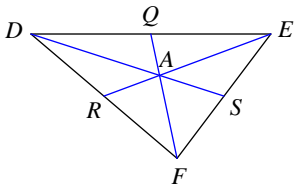
- A) 13
- B) 19.5
- C) 8.67
- D) 26

2) Find CS if $CI = 6x - 2$ and $IS = x + 3$



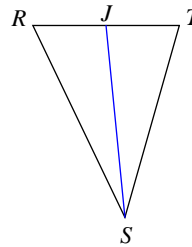
- A) 45
- B) 15
- C) 22.5
- D) 7.5

3) Find FQ if $FQ = 10x - 1$ and $AQ = 2 + x$



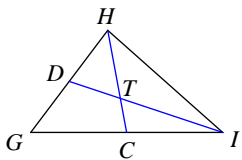
- A) 6
- B) 4.5
- C) 9
- D) 3

4) Find TR if $TR = 2x + 17$ and $JR = 2x + 5$



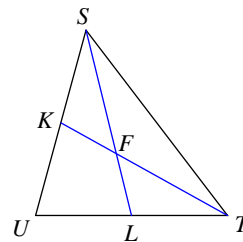
- A) 16
- B) 8
- C) 12
- D) 24

5) Find HC if $HC = 10 + 2x$ and $TC = 3x - 6$



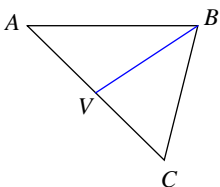
- A) 27
- B) 18
- C) 36
- D) 9

6) Find TF if $TF = 13x - 5$ and $FK = 6x - 1$



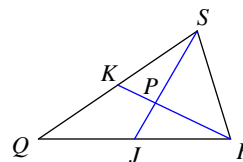
- A) 34
- B) 68
- C) 102
- D) 17

7) Find VA if $AC = x + 14$ and $VC = x$



- A) 4.67
- B) 7
- C) 28
- D) 14

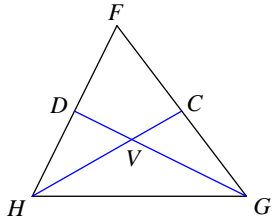
8) Find SJ if $SP = 6x - 6$ and $SJ = 6x + 12$



- A) 81
- B) 108
- C) 18
- D) 54

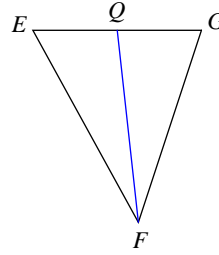


9) Find HC if $HV = x - 11$ and $VC = x - 14$



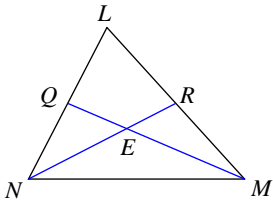
- A) 18 B) 4.5
C) 6 D) 9

10) Find QG if $GE = x + 5$ and $QE = \frac{3x - 19}{2}$



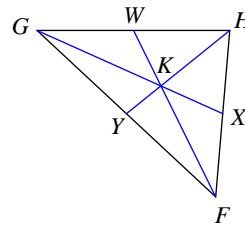
- A) 8.5 B) 2.83
C) $\frac{17}{2}$ D) 17

11) Find NE if $NR = \frac{5x - 18}{2}$ and $ER = -13 + \frac{3}{2}x$



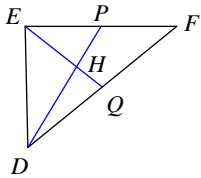
- A) 57 B) 19
C) 38 D) 12.67

12) Find HK if $HK = 2x + 5$ and $KY = 2x - 9$



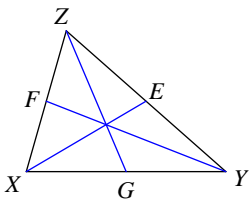
- A) 18.67 B) 56
C) 84 D) 28

13) Find EH if $EH = \frac{18x - 11}{5}$ and $HQ = \frac{7}{5}x + \frac{13}{10}$



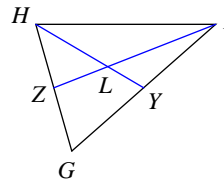
- A) 38.8 B) 58.2
C) 9.7 D) 19.4

14) Find FX if $ZX = \frac{3x + 8}{10}$ and $FX = \frac{1}{5}x - \frac{9}{20}$



- A) 8.85 B) 5.9
C) 1.97 D) 2.95

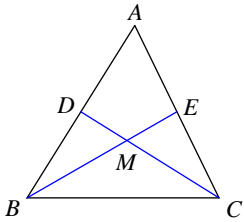
15) Find HL if $HL = 6 + x$ and $LY = -18 + 2x$



- A) 13.33 B) 20
C) 6.67 D) 40

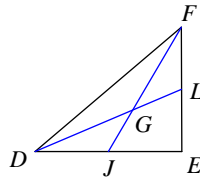


16) Find ME if $BM = 3x - 16$ and $ME = 3x - 17$



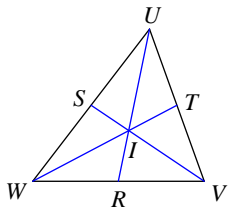
- A) 3 B) 0.5
C) 2 D) 1

17) Find FJ if $FJ = \frac{13x+1}{4}$ and $GJ = \frac{1}{2}x + \frac{5}{4}$



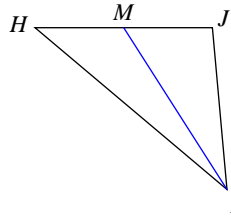
- A) 6.75 B) 13.5
C) 20.25 D) 4.5

18) Find IR if $UI = x + 1$ and $IR = \frac{3}{2}x - \frac{15}{2}$



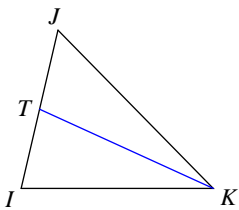
- A) $\frac{9}{2}$ B) 4.5
C) 2.25 D) 13.5

19) Find MH if $MH = 3x - 14$ and $MJ = x + 2$



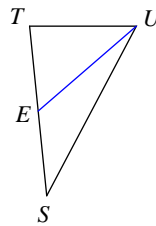
- A) 30 B) 10
C) 6.67 D) 5

20) Find TI if $JI = x + 8$ and $TI = x - 3$



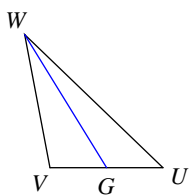
- A) 33 B) 5.5
C) 11 D) 7.33

21) Find TS if $ES = 2x - 20$ and $ET = x - 6$



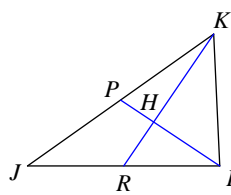
- A) 16 B) 32
C) 8 D) 10.67

22) Find VU if $GU = x - 8$ and $GV = 2x - 20$



- A) 8 B) 16
C) 4 D) 24

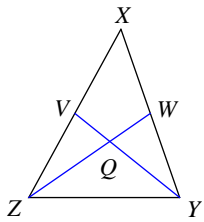
23) Find KR if $KH = x + 5$ and $KR = x + 15$



- A) 45 B) 30
C) 10 D) 15



24) Find ZW if $ZW = \frac{11x + 12}{5}$ and $QW = \frac{4}{5}x + \frac{2}{5}$



- A) 15.6 B) 5.2
C) 23.4 D) 31.2



Answers to Assignment (ID: 1)

1) A
5) B
9) D
13) D
17) A
21) A

2) B
6) A
10) C
14) D
18) A
22) A

3) C
7) D
11) B
15) B
19) B
23) B

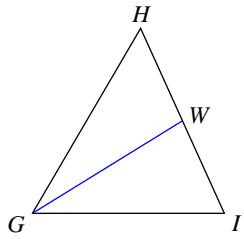
4) D
8) D
12) D
16) D
20) C
24) A



Assignment

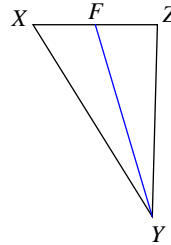
Each figure shows a triangle with one or more of its medians.

1) Find WH if $WH = 3x - 7$ and $WI = x + 11$



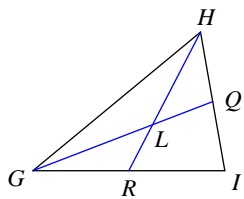
- A) 20
- B) 60
- C) 40
- D) 30

2) Find FZ if $FX = \frac{18x - 1}{2}$ and $FZ = \frac{15x + 2}{2}$



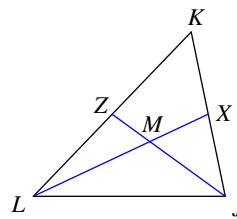
- A) 12.75
- B) 4.25
- C) 17
- D) $\frac{17}{2}$

3) Find GQ if $GQ = 13x + 6$ and $LQ = 3 + 4x$



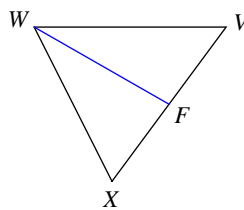
- A) 67.5
- B) 45
- C) 90
- D) 22.5

4) Find ZK if $ZL = x$ and $ZK = 3x - 6$



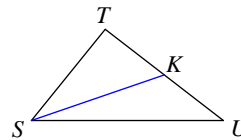
- A) 1.5
- B) 9
- C) 3
- D) 4.5

5) Find FV if $FV = \frac{3}{2}x - 10$ and $FX = \frac{2x - 7}{2}$



- A) 3.17
- B) 28.5
- C) $\frac{19}{2}$
- D) 19

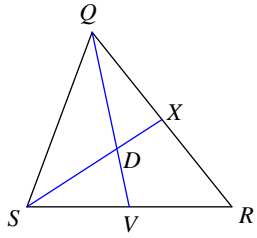
6) Find KT if $UT = 2x - 10$ and $KT = 2x - 17$



- A) 21
- B) 7
- C) 3.5
- D) 14

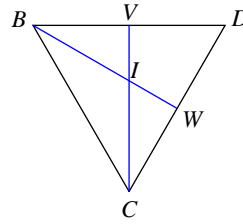


7) Find DV if $QD = 4x - 12$ and $QV = 2x + 8$



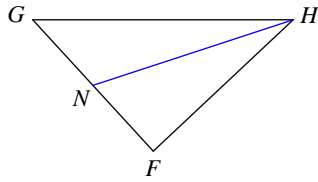
- A) 10.5 B) 21
C) 7 D) 3.5

8) Find IW if $BW = -1 + 8x$ and $IW = 3x - 1$



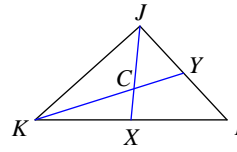
- A) 5 B) 10
C) 1.67 D) 7.5

9) Find NG if $GF = 3x - 11$ and $NF = 2x - 9$



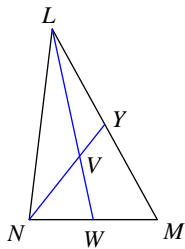
- A) 1.67 B) 5
C) 2.5 D) 3.33

10) Find KC if $KC = 6x - 10$ and $KY = 4x + 15$



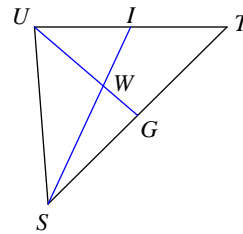
- A) 78 B) 26
C) 13 D) 8.67

11) Find NV if $NV = x - 3$ and $VY = -12 + 2x$



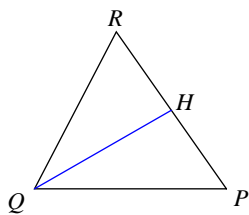
- A) 1.33 B) 6
C) 4 D) 8

12) Find WG if $UW = 2x - 6$ and $WG = 2x - 19$



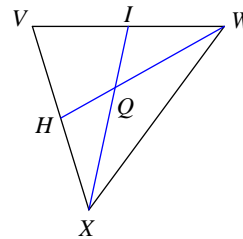
- A) 6.5 B) 13
C) 19.5 D) 39

13) Find PR if $HR = \frac{7}{5}x - \frac{3}{20}$ and $HP = \frac{13}{10}x + \frac{1}{4}$



- A) 10.9 B) 21.8
C) 3.63 D) 5.45

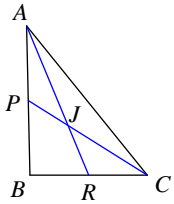
14) Find XQ if $XQ = 2x$ and $QI = 3x - 6$



- A) 6 B) 9
C) 4 D) 3

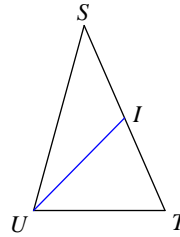


15) Find JR if $AJ = -9 + x$ and $JR = x - 14$



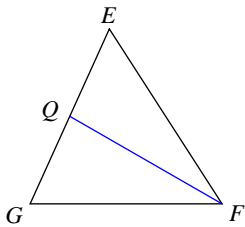
- A) 10 B) 5
C) 1.67 D) 15

16) Find IS if $TS = 4 + 5x$ and $IS = 3x - 1$



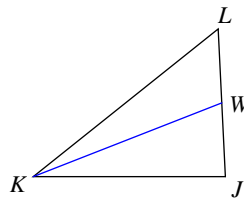
- A) 17 B) 34
C) 25.5 D) 8.5

17) Find QE if $EG = 2x - 4$ and $QG = 3x - 8$



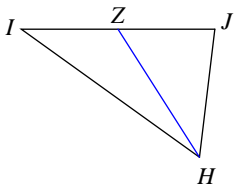
- A) 2 B) 1.5
C) 1 D) 0.33

18) Find WJ if $JL = 2x - 4$ and $WL = 2x - 19$



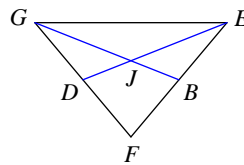
- A) 45 B) 5
C) 22.5 D) 15

19) Find JI if $JI = 5x - 9$ and $ZI = \frac{1}{2}x + \frac{15}{2}$



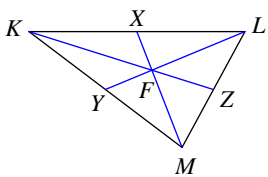
- A) 21 B) 7
C) 42 D) 63

20) Find ED if $EJ = 2x + 12$ and $JD = 3x - 16$



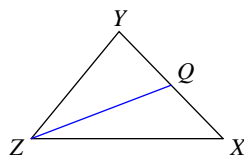
- A) 25.5 B) 51
C) 76.5 D) 17

21) Find MF if $MF = 5x + 8$ and $MX = 8x + 10$



- A) 42 B) 84
C) 28 D) 56

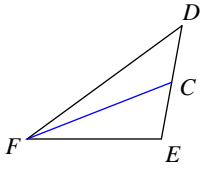
22) Find XY if $QY = 16x + 1$ and $QX = 19x - 2$



- A) 22.67 B) 11.33
C) 34 D) 68

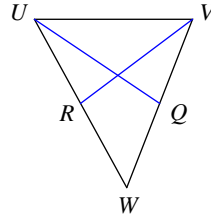


23) Find CE if $CD = 3x - 2$ and $CE = x$



- A) 0.5
- B) 0.33
- C) 1
- D) 2

24) Find QW if $WV = 2x - 8$ and $QV = 2x - 9$



- A) 1
- B) 2
- C) 0.67
- D) 1.5



Answers to Assignment (ID: 2)

- 1) A
- 5) C
- 9) B
- 13) A
- 17) C
- 21) C

- 2) D
- 6) B
- 10) B
- 14) A
- 18) D
- 22) C

- 3) B
- 7) C
- 11) C
- 15) B
- 19) A
- 23) C

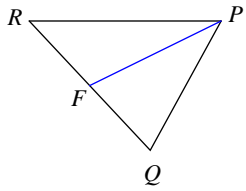
- 4) C
- 8) A
- 12) B
- 16) A
- 20) B
- 24) A



Assignment

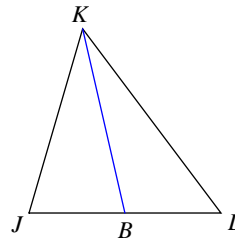
Each figure shows a triangle with one or more of its medians.

1) Find FQ if $RQ = x + 4$ and $FQ = 2x - 16$



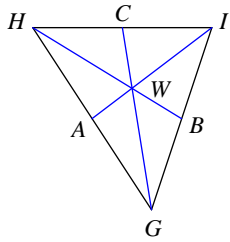
- A) 8
- B) 24
- C) 16
- D) 2.67

2) Find BJ if $BL = 2x - 10$ and $BJ = -18 + 3x$



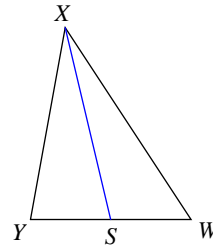
- A) 6
- B) 9
- C) 2
- D) 12

3) Find WB if $HB = x + 6$ and $WB = x - 2$



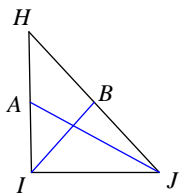
- A) 8
- B) 1.33
- C) 4
- D) 2.67

4) Find SW if $SW = 2x - 14$ and $SY = x$



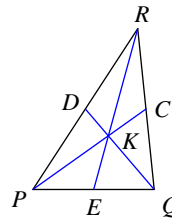
- A) 14
- B) 42
- C) 28
- D) 21

5) Find JH if $BH = \frac{2x - 19}{2}$ and $BJ = \frac{1}{2}x - \frac{1}{2}$



- A) 5.67
- B) 17
- C) 51
- D) 11.33

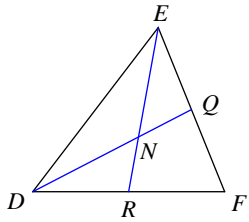
6) Find QK if $QK = 2x + 12$ and $KD = 3x - 12$



- A) 10
- B) 90
- C) 45
- D) 30

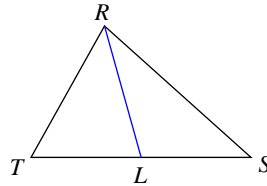


7) Find ER if $EN = \frac{3}{5}x + \frac{8}{5}$ and $NR = \frac{4x + 1}{10}$



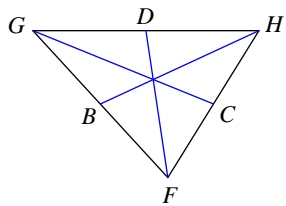
- A) 2.9 B) 26.1
C) 8.7 D) 5.8

8) Find LS if $LS = 2x - 7$ and $LT = x + 4$



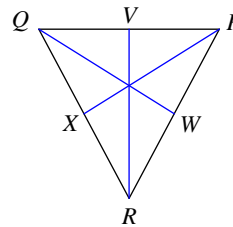
- A) 30 B) 10
C) 15 D) 45

9) Find HG if $HG = \frac{14}{5}x + \frac{14}{5}$ and $DG = \frac{8x + 1}{5}$



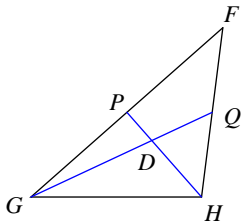
- A) 19.6 B) 9.8
C) 39.2 D) 6.53

10) Find PQ if $VQ = 2x - 20$ and $VP = x - 5$



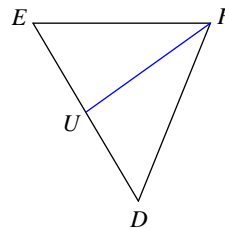
- A) 60 B) 20
C) 30 D) 40

11) Find GQ if $GD = x + 13$ and $GQ = 3x$



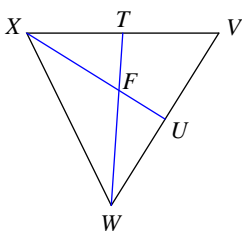
- A) 39 B) 58.5
C) 19.5 D) 13

12) Find UD if $UD = \frac{x}{2}$ and $UE = \frac{3x - 14}{2}$



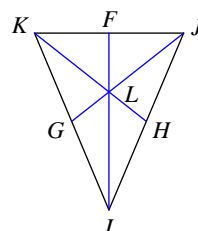
- A) $\frac{7}{2}$ B) 1.17
C) 1.75 D) 2.33

13) Find WF if $WF = 3x - 5$ and $FT = 5 + x$



- A) 26.67 B) 80
C) 60 D) 40

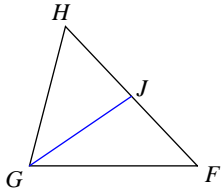
14) Find IL if $IF = 18x - 6$ and $LF = 7x - 5$



- A) 10.67 B) 16
C) 32 D) 21.33

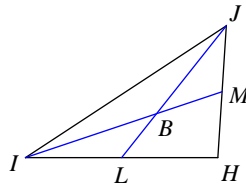


15) Find JF if $FH = 3x - 19$ and $JH = 2x - 16$



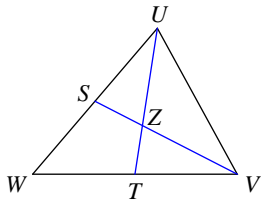
- A) 20 B) 10
C) 3.33 D) 30

16) Find HJ if $HJ = 3x - 10$ and $MJ = \frac{2x - 3}{2}$



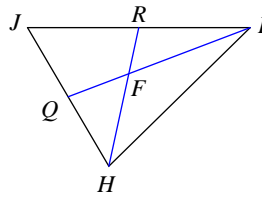
- A) 11 B) 33
C) 22 D) 16.5

17) Find UT if $UT = 4x + 16$ and $ZT = 2x - 2$



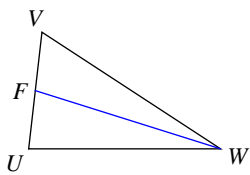
- A) 40 B) 180
C) 90 D) 60

18) Find IQ if $IQ = x - 5$ and $FQ = x - 9$



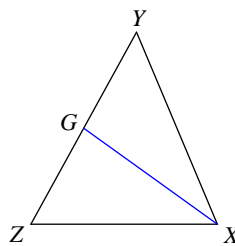
- A) 2 B) 12
C) 6 D) 4

19) Find FU if $FU = x - 2$ and $FV = 2x - 9$



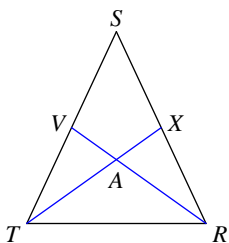
- A) 3.33 B) 1.67
C) 5 D) 10

20) Find YZ if $GZ = 2x - 9$ and $GY = x + 4$



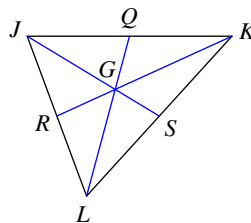
- A) 11.33 B) 51
C) 68 D) 34

21) Find RA if $RA = 8x - 8$ and $RV = 11x - 7$



- A) 10.67 B) 96
C) 16 D) 32

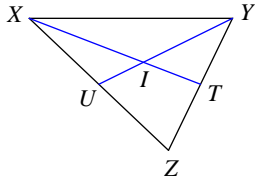
22) Find LG if $LQ = 8x - 2$ and $GQ = 2x$



- A) 12 B) 4
C) 6 D) 2.67

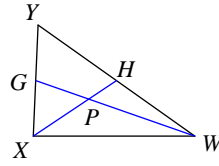


23) Find IU if $YU = x + 2$ and $IU = 3x - 2$



- A) 3
- B) 1
- C) 0.5
- D) 1.5

24) Find WG if $WP = x - 10$ and $WG = x - 8$



- A) 18
- B) 6
- C) 9
- D) 3



Answers to Assignment (ID: 3)

- 1) A
- 5) B
- 9) A
- 13) D
- 17) D
- 21) D

- 2) A
- 6) D
- 10) B
- 14) C
- 18) C
- 22) B

- 3) C
- 7) C
- 11) A
- 15) B
- 19) C
- 23) B

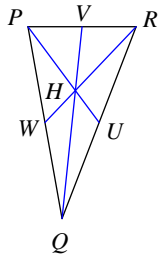
- 4) A
- 8) C
- 12) A
- 16) A
- 20) D
- 24) B



Assignment

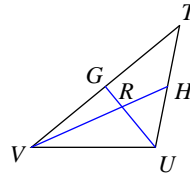
Each figure shows a triangle with one or more of its medians.

- 1) Find RH if $RH = 20x - 11$ and $HW = \frac{10x + 1}{2}$



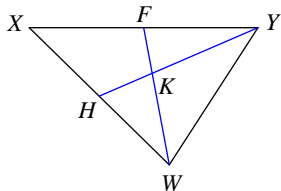
- A) 13 B) 8.67
C) 26 D) 39

- 2) Find UR if $UR = x + 11$ and $RG = 3x - 12$



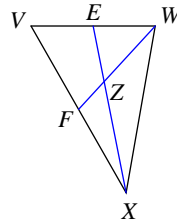
- A) 18 B) 36
C) 27 D) 6

- 3) Find YH if $YK = 3x$ and $KH = \frac{2x + 5}{2}$



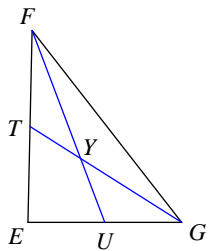
- A) 33.75 B) 45
C) 15 D) $\frac{45}{2}$

- 4) Find ZF if $WZ = 3x + 14$ and $ZF = x + 10$



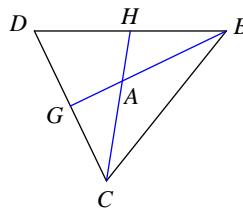
- A) 10.67 B) 8
C) 5.33 D) 16

- 5) Find FY if $FY = 6 + x$ and $YU = 3x - 12$



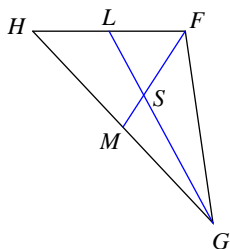
- A) 4 B) 6
C) 18 D) 12

- 6) Find CH if $CH = 6 + 4x$ and $AH = 2x - 4$



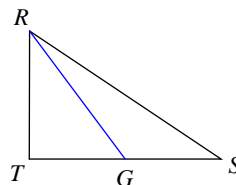
- A) 84 B) 42
C) 28 D) 63

- 7) Find SL if $GS = 9x - 9$ and $SL = x + 13$



- A) 12 B) 18

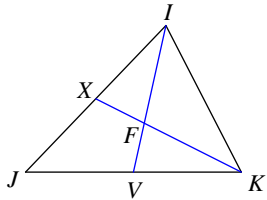
- 8) Find GT if $TS = 14x + 2$ and $GS = 10x - 2$



- A) 8 B) 4
C) 12 D) 16

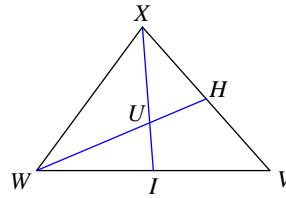


9) Find FX if $KF = x - 8$ and $KX = x - 2$



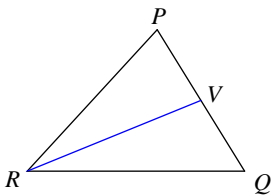
- A) 4 B) 12
C) 6 D) 18

10) Find WU if $WU = x + 5$ and $UH = x - \frac{5}{2}$



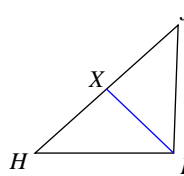
- A) 15 B) 5
C) 22.5 D) 10

11) Find QP if $QP = \frac{8x - 7}{10}$ and $VP = \frac{1}{4}x + \frac{11}{5}$



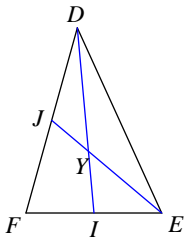
- A) 12.9 B) 6.45
C) 25.8 D) 19.35

12) Find XJ if $JH = 2x - 10$ and $XH = 2x - 13$



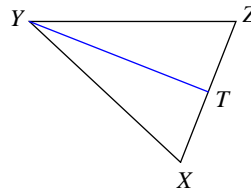
- A) 1 B) 3
C) 9 D) 1.5

13) Find DY if $DY = 6x - 2$ and $YI = 2x + 5$



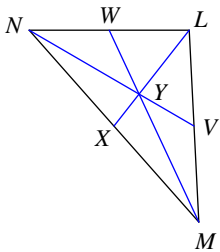
- A) 17 B) 34
C) 51 D) 102

14) Find TX if $TZ = 3x - 20$ and $TX = 2x - 13$



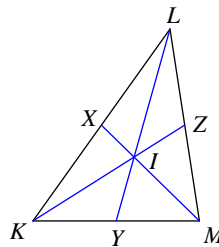
- A) 0.67 B) 0.5
C) 1 D) 1.5

15) Find MY if $MY = -4 + 3x$ and $YW = x + 2$



- A) 13.33 B) 20
C) 40 D) 30

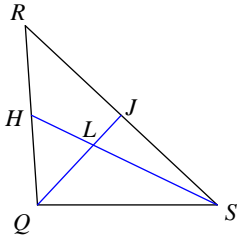
16) Find ZL if $ML = x + 1$ and $ZL = 2x - 16$



- A) 6 B) 3
C) 18 D) 4

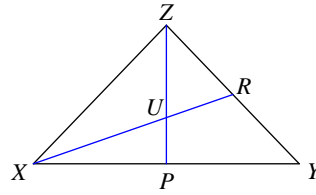


17) Find QJ if $QL = x - 9$ and $LJ = -14 + x$



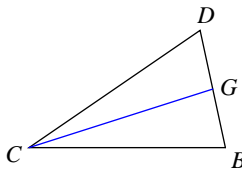
- A) 10 B) 45
C) 15 D) 5

18) Find ZP if $ZP = 7x + 5$ and $UP = 4x - 10$



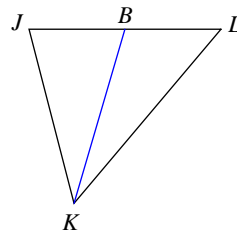
- A) 36 B) 54
C) 162 D) 27

19) Find BD if $BD = 5 + x$ and $GD = \frac{3}{2}x - \frac{19}{2}$



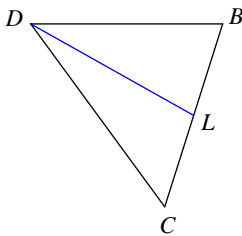
- A) 11.33 B) 17
C) 8.5 D) 34

20) Find BL if $LJ = 3x - 17$ and $BJ = x - \frac{9}{2}$



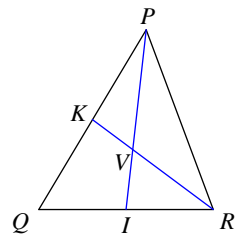
- A) 5.25 B) $\frac{7}{2}$
C) 1.75 D) 10.5

21) Find LB if $CB = 2x + 10$ and $LB = 3x - 19$



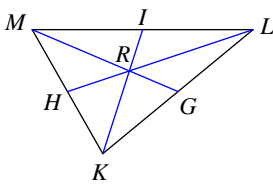
- A) 17 B) 11.33
C) 5.67 D) 8.5

22) Find RV if $RV = 16 + x$ and $VK = 2x - 10$



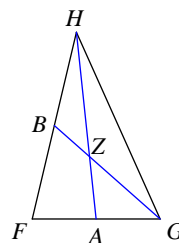
- A) 18.67 B) 28
C) 42 D) 14

23) Find KR if $KR = x + 4$ and $KI = 4x - 9$



- A) 15 B) 10
C) 3.33 D) 5

24) Find GB if $GB = \frac{3x + 12}{2}$ and $ZB = -3 + \frac{3}{2}x$



- A) 20.25 B) $\frac{27}{2}$
C) 9 D) 6.75



Answers to Assignment (ID: 4)

1) A
5) D
9) C
13) B
17) C
21) A

2) A
6) B
10) A
14) C
18) B
22) B

3) D
7) B
11) A
15) B
19) B
23) B

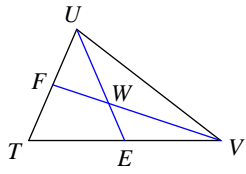
4) D
8) A
12) B
16) A
20) B
24) B



Assignment

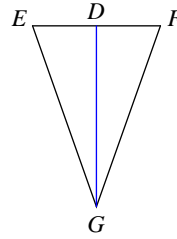
Each figure shows a triangle with one or more of its medians.

1) Find UE if $UW = 3x - 14$ and $WE = 2x - 14$



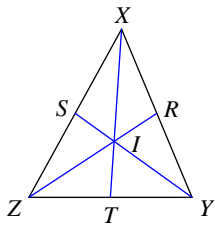
- A) 28
- B) 42
- C) 63
- D) 21

2) Find DE if $DE = \frac{-16 + 5x}{4}$ and $DF = \frac{3x + 2}{4}$



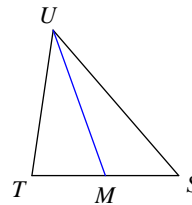
- A) 21.75
- B) 7.25
- C) 3.63
- D) 4.83

3) Find XT if $XI = \frac{4x + 5}{5}$ and $XT = \frac{13x - 2}{10}$



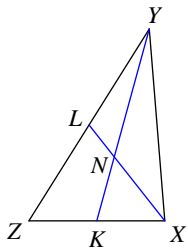
- A) 14.6
- B) 21.9
- C) 10.95
- D) 65.7

4) Find TS if $MS = \frac{3x - 11}{2}$ and $MT = \frac{x + 5}{2}$



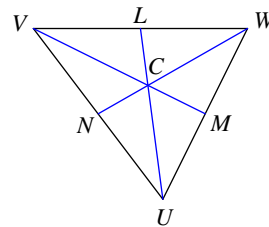
- A) 13
- B) 6.5
- C) 39
- D) 19.5

5) Find YK if $YN = x - 6$ and $NK = x - 7$



- A) 4.5
- B) 3
- C) 9
- D) 1.5

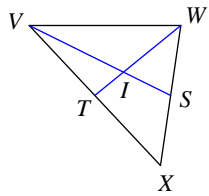
6) Find CN if $WC = 4x - 8$ and $CN = x + 4$



- A) 8
- B) 12
- C) 6
- D) 4

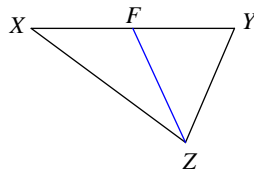


7) Find IS if $VS = 4x - 6$ and $IS = 2x - 6$



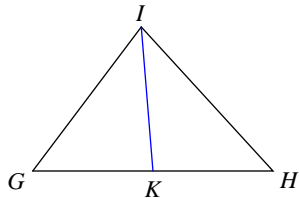
- A) 12 B) 6
C) 9 D) 3

8) Find FY if $FX = 2x + 7$ and $FY = x + 11$



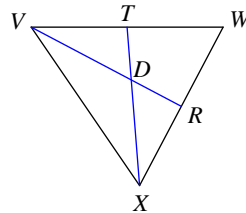
- A) 5 B) 15
C) 10 D) 22.5

9) Find KG if $GH = x + 11$ and $KH = 2x - 11$



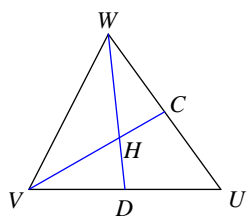
- A) 22 B) 11
C) 3.67 D) 5.5

10) Find XT if $XD = 4x - 6$ and $XT = 4x - 1$



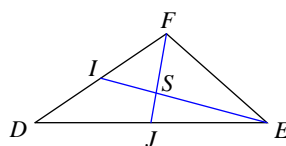
- A) 15 B) 30
C) 5 D) 22.5

11) Find WH if $WH = 16 + x$ and $WD = -11 + 4x$



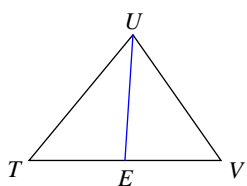
- A) 45 B) 15
C) 30 D) 20

12) Find FJ if $FS = 2x - 2$ and $FJ = 2x + 11$



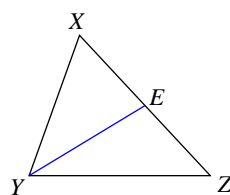
- A) 117 B) 13
C) 39 D) 19.5

13) Find EV if $EV = 3x - 13$ and $ET = 2x - 4$



- A) 9.33 B) 14
C) 4.67 D) 42

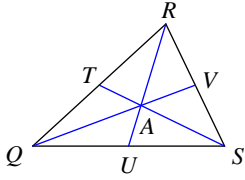
14) Find EX if $ZX = x - 9$ and $EX = x - 12$



- A) 1.5 B) 1
C) 3 D) 9

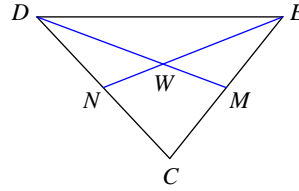


15) Find QA if $QA = 12x - 6$ and $AV = 5x$



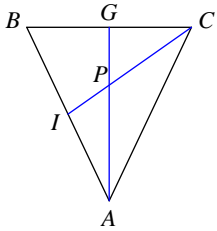
- A) 90 B) 30
C) 10 D) 45

16) Find WN if $EW = x - 4$ and $EN = 3x - 15$



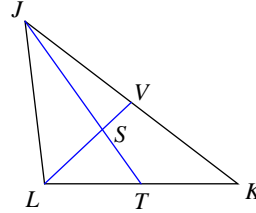
- A) 1.5 B) 1
C) 0.5 D) 0.33

17) Find PG if $AP = 5x - 4$ and $AG = \frac{13x - 6}{2}$



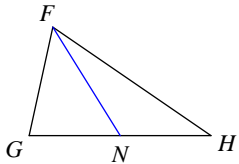
- A) $\frac{11}{2}$ B) 5.5
C) 16.5 D) 8.25

18) Find VK if $VJ = 1 + 2x$ and $VK = 3x - 6$



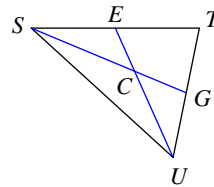
- A) 45 B) 15
C) 30 D) 7.5

19) Find NH if $NH = \frac{x - 3}{2}$ and $NG = x - \frac{17}{2}$



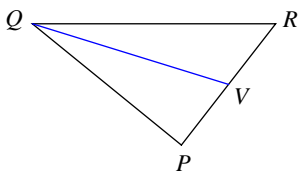
- A) 2.75 B) $\frac{11}{2}$
C) 1.83 D) 3.67

20) Find SC if $SC = 12x + 2$ and $CG = -2 + 9x$



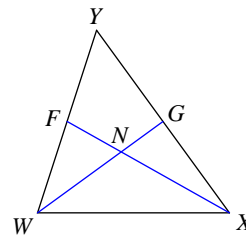
- A) 28 B) 9.33
C) 14 D) 42

21) Find VR if $PR = 4x - 12$ and $VR = x + 2$



- A) 10 B) 20
C) 5 D) 6.67

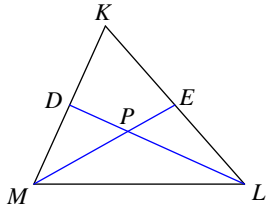
22) Find XN if $XF = 4x + 1$ and $NF = 2x - 5$



- A) 7.33 B) 44
C) 66 D) 22

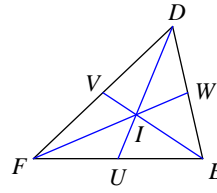


23) Find KM if $KM = 4x - 4$ and $DM = 3x - 13$



- A) 20
- B) 80
- C) 40
- D) 26.67

24) Find EI if $EV = 2x - 14$ and $IV = 2x - 18$



- A) 2.67
- B) 2
- C) 8
- D) 4



Answers to Assignment (ID: 5)

1) B
5) B
9) B
13) B
17) A
21) A

2) B
6) B
10) A
14) C
18) B
22) D

3) B
7) B
11) C
15) B
19) B
23) C

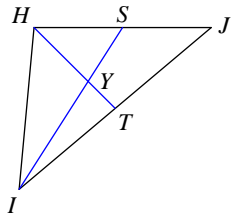
4) A
8) B
12) C
16) B
20) C
24) D



Assignment

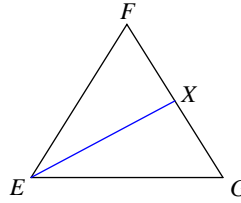
Each figure shows a triangle with one or more of its medians.

1) Find IY if $IY = 4x - 2$ and $IS = 18 + 3x$



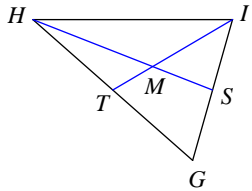
- A) 17.33
- B) 26
- C) 39
- D) 13

2) Find XF if $GF = \frac{2x + 5}{5}$ and $XF = \frac{1}{10}x + \frac{8}{5}$



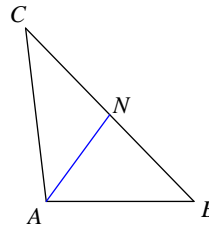
- A) 0.9
- B) 5.4
- C) 1.35
- D) 2.7

3) Find MT if $IM = \frac{3x - 18}{5}$ and $MT = \frac{x - 3}{5}$



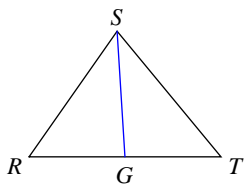
- A) 5.4
- B) 0.9
- C) 1.8
- D) 3.6

4) Find NB if $NC = 2x - 5$ and $NB = 3x - 11$



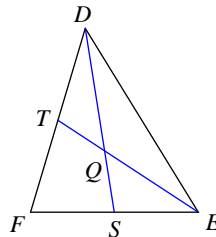
- A) 10.5
- B) 2.33
- C) 7
- D) 21

5) Find RT if $GT = \frac{18x - 1}{2}$ and $GR = \frac{19}{2}x - 1$



- A) 34
- B) 51
- C) 25.5
- D) 17

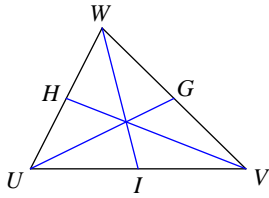
6) Find ET if $ET = x$ and $QT = 2x - 10$



- A) 9
- B) 18
- C) 4
- D) 6

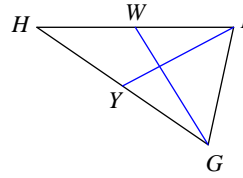


7) Find IU if $UV = 5x - \frac{8}{5}$ and $IV = \frac{9x + 17}{5}$



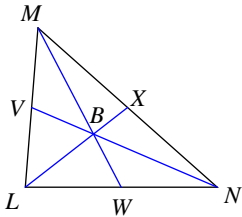
- A) 14.2 B) 4.73
C) 7.1 D) 21.3

8) Find YH if $HG = -12 + 4x$ and $YG = 3x - 12$



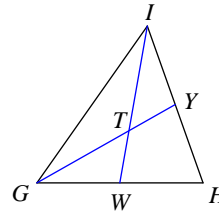
- A) 12 B) 9
C) 2 D) 6

9) Find BV if $NB = 2 + 18x$ and $BV = -3 + 11x$



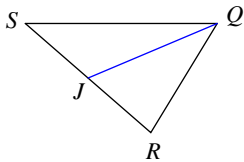
- A) 12.67 B) 19
C) 57 D) 9.5

10) Find IW if $IT = \frac{1}{5}x + \frac{16}{5}$ and $TW = \frac{2x - 7}{5}$



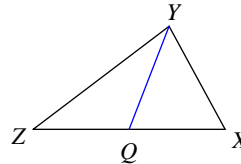
- A) 23.4 B) 11.7
C) 7.8 D) 15.6

11) Find JR if $SR = x + 2$ and $JR = 2x - 2$



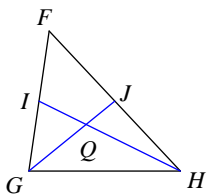
- A) 4 B) 3
C) 2 D) 1

12) Find QZ if $QX = x + 2$ and $QZ = -16 + 2x$



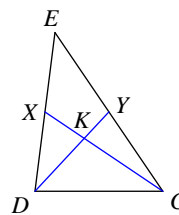
- A) 20 B) 30
C) 40 D) 6.67

13) Find HI if $HQ = x - 1$ and $QI = \frac{2x - 5}{2}$



- A) 1.5 B) $\frac{9}{2}$
C) 9 D) 6.75

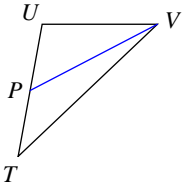
14) Find KX if $CK = 3x - 13$ and $KX = 3x - 17$



- A) 1.33 B) 8
C) 4 D) 2

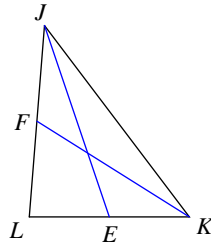


15) Find PU if $PT = 3x - 6$ and $PU = x + 6$



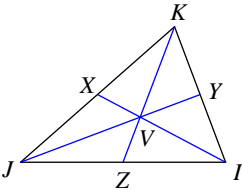
- A) 12 B) 8
C) 6 D) 24

16) Find FJ if $JL = 4 + 3x$ and $FL = 2x - 2$



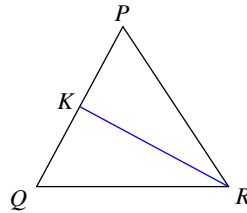
- A) 14 B) 21
C) 4.67 D) 7

17) Find JY if $JV = 3x - 19$ and $JY = x + 3$



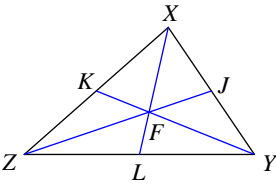
- A) 12 B) 4
C) 36 D) 6

18) Find PQ if $KQ = 5x - \frac{1}{2}$ and $KP = \frac{9}{2}x$



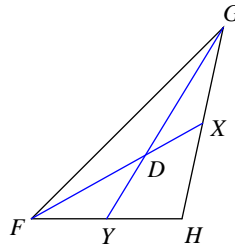
- A) 6 B) 9
C) 13.5 D) 18

19) Find XF if $XF = 6x - 14$ and $FL = 2x + 2$



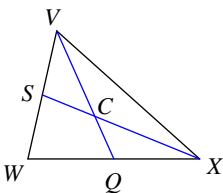
- A) 26.67 B) 40
C) 13.33 D) 20

20) Find GD if $GD = 5x - 16$ and $GY = 6x - 12$



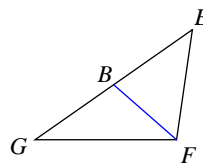
- A) 24 B) 72
C) 8 D) 16

21) Find CQ if $VC = 3x - 20$ and $VQ = x + 5$



- A) 7.5 B) 1.67
C) 10 D) 5

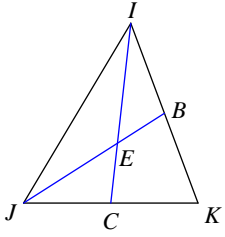
22) Find BE if $BG = -3 + 3x$ and $BE = x + 1$



- A) 9 B) 3
C) 1 D) 2

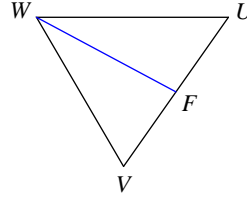


23) Find IC if $IC = 14x - 2$ and $EC = 5x - 1$



- A) 4
- B) 36
- C) 8
- D) 12

24) Find FU if $VU = 14x - 4$ and $FU = 5x + 2$



- A) 12
- B) 6
- C) 4
- D) 8



Answers to Assignment (ID: 6)

1) B
5) D
9) B
13) B
17) A
21) D

2) D
6) D
10) C
14) C
18) B
22) B

3) C
7) A
11) C
15) A
19) B
23) D

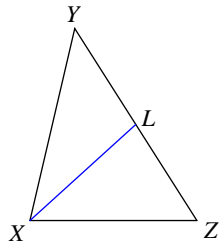
4) C
8) D
12) A
16) A
20) A
24) A



Assignment

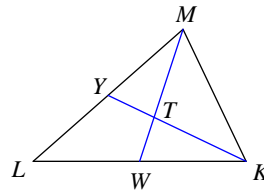
Each figure shows a triangle with one or more of its medians.

1) Find ZY if $LY = 2x - 18$ and $LZ = x - 2$



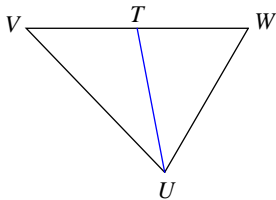
- A) 56
- B) 84
- C) 28
- D) 9.33

2) Find KY if $KY = -7 + 2x$ and $TY = 2x - 13$



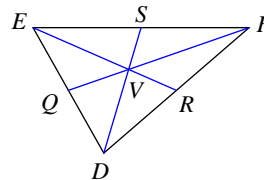
- A) 13.5
- B) 18
- C) 9
- D) 4.5

3) Find WV if $TV = 3x - 4$ and $TW = x + 2$



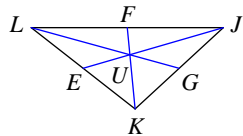
- A) 30
- B) 20
- C) 10
- D) 15

4) Find FV if $FV = 6x - 3$ and $FQ = 6x$



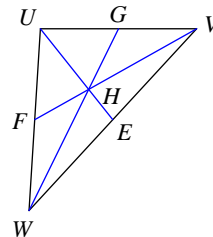
- A) 6
- B) 12
- C) 2
- D) 3

5) Find LG if $LG = 19x + 2$ and $UG = 5x + 2$



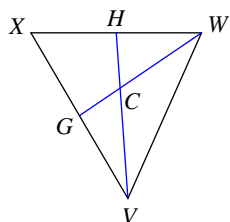
- A) 14
- B) 63
- C) 21
- D) 42

6) Find WG if $WG = 2x + 10$ and $HG = 2x - 2$



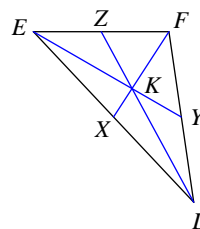
- A) 9
- B) 18
- C) 27
- D) 54

7) Find CH if $VC = 9x - 2$ and $VH = 14x - 5$



- A) 17
- B) 25.5
- C) 51
- D) 5.67

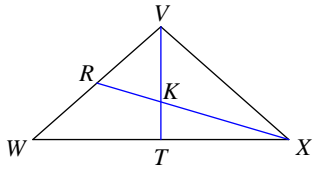
8) Find KY if $EK = 2x - 20$ and $EY = x - 6$



- A) 2
- B) 3
- C) 4
- D) 0.67

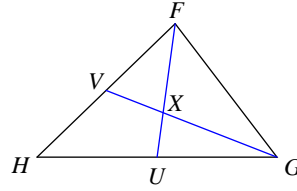


9) Find KT if $VK = 8 + x$ and $VT = 4x - \frac{11}{2}$



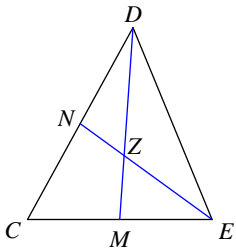
- A) $\frac{15}{2}$ B) 15
C) 11.25 D) 22.5

10) Find GV if $GX = 2x + 6$ and $XV = -10 + 2x$



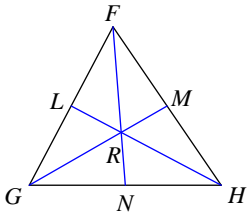
- A) 24 B) 48
C) 96 D) 72

11) Find ND if $NC = \frac{3}{10}x - \frac{3}{10}$ and $ND = \frac{2x + 9}{10}$



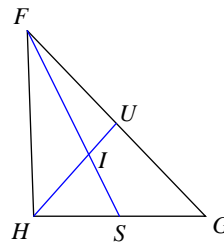
- A) 4.95 B) 1.1
C) 3.3 D) 1.65

12) Find HL if $HR = x$ and $HL = \frac{x + 6}{2}$



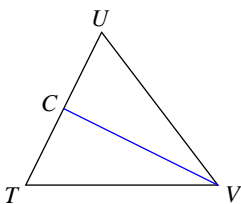
- A) 2.25 B) 3
C) 1.5 D) $\frac{9}{2}$

13) Find HU if $HU = 5x + 8$ and $IU = x + 6$



- A) 33 B) 22
C) 99 D) 16.5

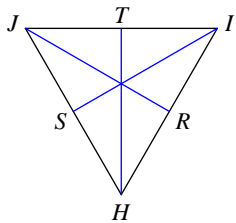
14) Find CU if $CT = \frac{13}{5}x - 1$ and $CU = \frac{14x - 12}{5}$



- A) 17.2 B) 11.47
C) 8.6 D) 5.73

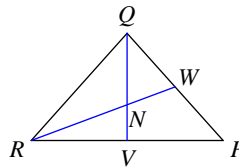


15) Find JH if $JH = 11x - 6$ and $SH = 4x + 3$



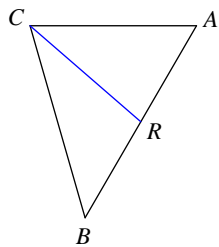
- A) 12.67 B) 114
C) 76 D) 38

16) Find WP if $WQ = 2x - 8$ and $WP = x - 3$



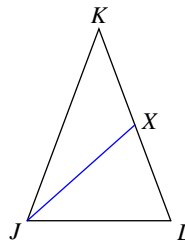
- A) 6 B) 3
C) 2 D) 1

17) Find RA if $BA = \frac{10x - 17}{10}$ and $RA = \frac{6x + 19}{20}$



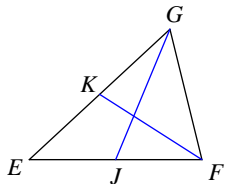
- A) 10.95 B) 1.22
C) 3.65 D) 2.43

18) Find LK if $XK = 2x - 9$ and $XL = x + 2$



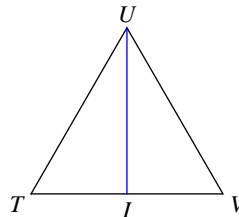
- A) 17.33 B) 8.67
C) 78 D) 26

19) Find JE if $JF = 2x + 1$ and $JE = x + 4$



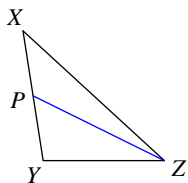
- A) 3.5 B) 10.5
C) 4.67 D) 7

20) Find IV if $TV = 2 + x$ and $IV = x - 4$



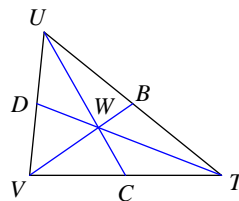
- A) 12 B) 9
C) 3 D) 6

21) Find PY if $XY = 8x - 2$ and $PY = 3x$



- A) 3 B) 1.5
C) 6 D) 9

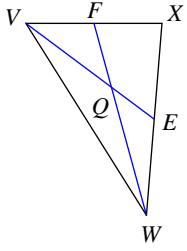
22) Find UC if $UC = 3x - 6$ and $WC = 2x - 5$



- A) 1 B) 9
C) 3 D) 4.5

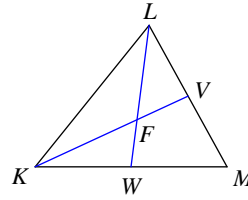


23) Find QF if $WQ = 6x - 2$ and $WF = 10x - 6$



- A) 8 B) 2.67
C) 16 D) 5.33

24) Find KF if $KF = \frac{6+x}{5}$ and $KV = \frac{x+19}{5}$



- A) 3.47 B) 5.2
C) 15.6 D) 7.8



Answers to Assignment (ID: 7)

1) C
5) C
9) A
13) A
17) C
21) A

2) C
6) B
10) B
14) A
18) D
22) C

3) C
7) A
11) C
15) D
19) D
23) A

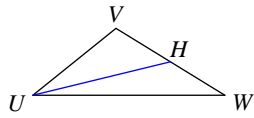
4) A
8) A
12) D
16) C
20) D
24) B



Assignment

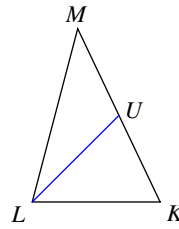
Each figure shows a triangle with one or more of its medians.

1) Find HW if $WV = 8x - 4$ and $HV = 2x + 2$



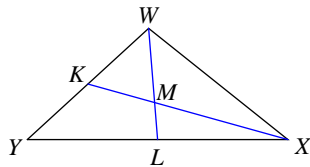
- A) 6
- B) 2
- C) 18
- D) 12

2) Find UM if $UM = 4x - 4$ and $UK = 3x - 1$



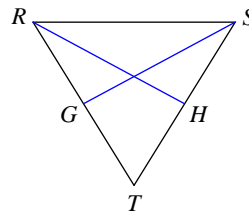
- A) 5.33
- B) 8
- C) 4
- D) 24

3) Find YX if $LX = x + \frac{13}{10}$ and $LY = \frac{9}{10}x + \frac{11}{5}$



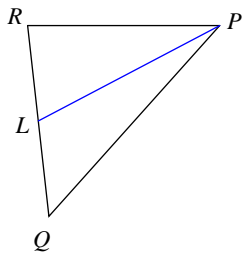
- A) 20.6
- B) 30.9
- C) 41.2
- D) 61.8

4) Find GT if $GT = 2x - 1$ and $GR = 8 + x$



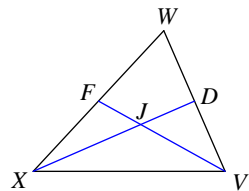
- A) 8.5
- B) 51
- C) 34
- D) 17

5) Find LR if $LQ = x - 2$ and $LR = 2x - 11$



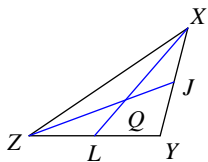
- A) 7
- B) 2.33
- C) 21
- D) 10.5

6) Find VW if $VW = -4 + 17x$ and $DW = 6x + 3$



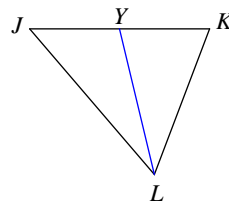
- A) 20
- B) 30
- C) 15
- D) 10

7) Find ZQ if $ZQ = 2x + 8$ and $QJ = 2x - 3$



- A) 14.67
- B) 7.33
- C) 22
- D) 33

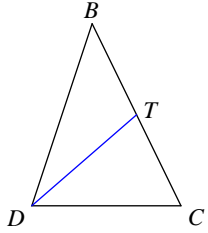
8) Find YJ if $YJ = x$ and $YK = 2x - 3$



- A) 6
- B) 3
- C) 9
- D) 1

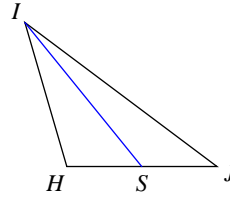


9) Find TC if $TB = x + 1$ and $TC = -1 + 2x$



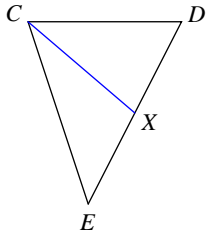
- A) 1 B) 3
C) 1.5 D) 6

10) Find SH if $HJ = \frac{15x - 19}{5}$ and $SJ = \frac{5x + 18}{5}$



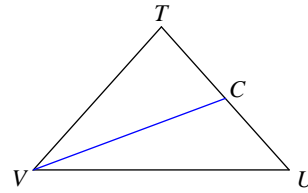
- A) 4.87 B) 7.3
C) 43.8 D) 14.6

11) Find ED if $ED = 9x - 7$ and $XD = 2x + 9$



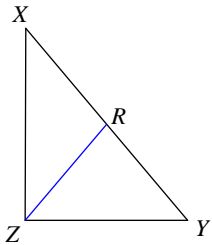
- A) 114 B) 38
C) 57 D) 19

12) Find CT if $UT = 2x + 4$ and $CT = 3x - 8$



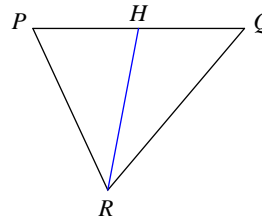
- A) 14 B) 2.33
C) 3.5 D) 7

13) Find RY if $RX = 3x - \frac{5}{2}$ and $RY = \frac{5x - 1}{2}$



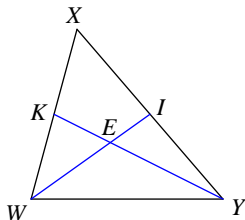
- A) 9.5 B) 28.5
C) 6.33 D) $\frac{19}{2}$

14) Find HQ if $HP = 2x - 15$ and $HQ = x + 1$



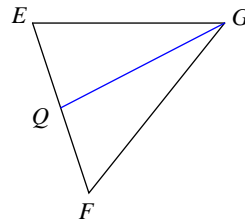
- A) 5.67 B) 17
C) 25.5 D) 11.33

15) Find YK if $YE = 2x - 18$ and $YK = 2x - 12$



- A) 27 B) 6
C) 9 D) 18

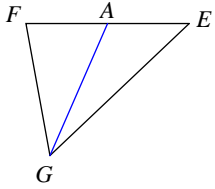
16) Find QE if $QF = 7x - 3$ and $QE = 5x + 1$



- A) 33 B) 7.33
C) 11 D) 16.5

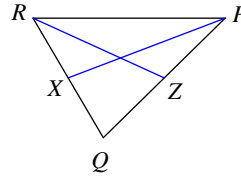


17) Find AE if $EF = 6x - 12$ and $AF = 2x$



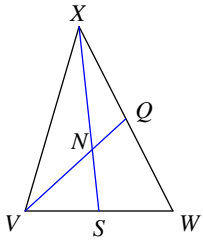
- A) 12 B) 36
C) 18 D) 6

18) Find QP if $QP = 3x + 13$ and $ZP = 4x - 16$



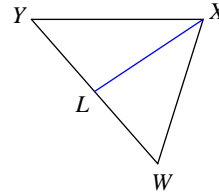
- A) 20 B) 60
C) 40 D) 13.33

19) Find XN if $XS = \frac{19x}{2}$ and $NS = \frac{5}{2}x + 2$



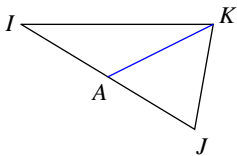
- A) 57 B) 28.5
C) 19 D) 6.33

20) Find LW if $LW = 11x - 1$ and $LY = 8x + 2$



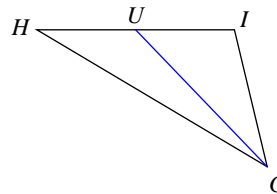
- A) 20 B) 3.33
C) 15 D) 10

21) Find AI if $IJ = x + 4$ and $AJ = x - 1$



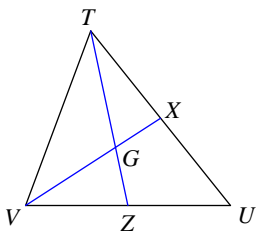
- A) 2.5 B) 10
C) 5 D) 3.33

22) Find IH if $UH = 2x - 16$ and $UI = x - 7$



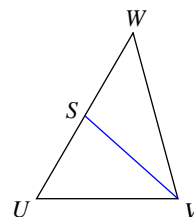
- A) 12 B) 4
C) 8 D) 6

23) Find VG if $VG = -4 + 2x$ and $GX = 2x - 14$



- A) 20 B) 40
C) 10 D) 6.67

24) Find WU if $SU = x + \frac{5}{2}$ and $SW = \frac{x + 10}{2}$



- A) 15 B) 30
C) 45 D) 10



Answers to Assignment (ID: 8)

1) A
5) A
9) B
13) D
17) A
21) C

2) B
6) B
10) D
14) B
18) C
22) B

3) A
7) C
11) B
15) D
19) C
23) A

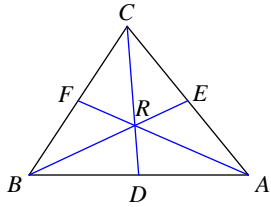
4) D
8) B
12) D
16) C
20) D
24) A



Assignment

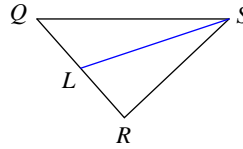
Each figure shows a triangle with one or more of its medians.

1) Find BR if $BR = -2 + 17x$ and $RE = -2 + 9x$



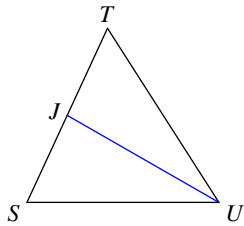
- A) 10.67
- B) 96
- C) 32
- D) 16

2) Find LQ if $QR = 20x$ and $LR = 20x - 13$



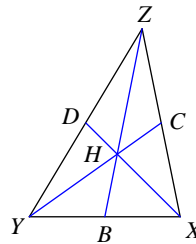
- A) 4.33
- B) 13
- C) 8.67
- D) 19.5

3) Find JS if $TS = x + 10$ and $JS = 3x - 10$



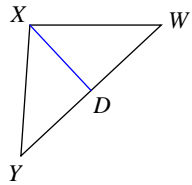
- A) 8
- B) 2.67
- C) 16
- D) 24

4) Find HB if $ZH = x + 7$ and $ZB = x + 16$



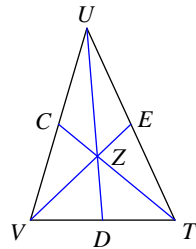
- A) 27
- B) 4.5
- C) 9
- D) 13.5

5) Find DY if $YW = x + 12$ and $DW = 2x - 12$



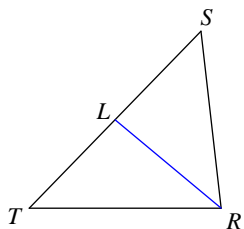
- A) 12
- B) 4
- C) 18
- D) 6

6) Find TC if $TZ = 3x - 20$ and $ZC = x - 4$



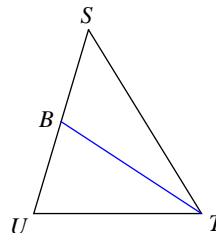
- A) 72
- B) 24
- C) 8
- D) 16

7) Find LT if $ST = \frac{2}{5}x + \frac{18}{5}$ and $LT = \frac{1 + 2x}{5}$



- A) 3.4
- B) 1.13
- C) 2.27
- D) 1.7

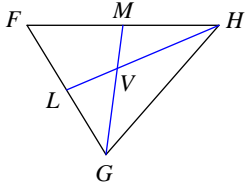
8) Find BS if $SU = 7x - 2$ and $BU = 2x + 5$



- A) 13
- B) 4.33
- C) 6.5
- D) 19.5

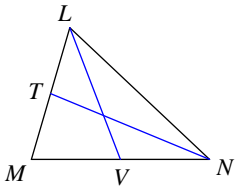


9) Find HL if $HV = 4x + 4$ and $HL = 8x + 2$



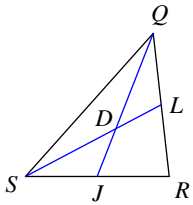
- A) 9 B) 18
C) 36 D) 6

10) Find MN if $VN = -1 + 20x$ and $VM = 18x + 1$



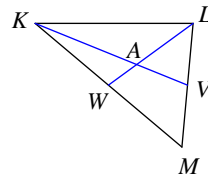
- A) 38 B) 76
C) 19 D) 25.33

11) Find DL if $SL = 2x + 15$ and $DL = x + 1$



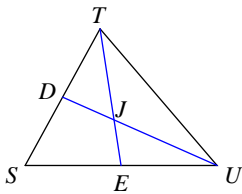
- A) 39 B) 13
C) 8.67 D) 6.5

12) Find KA if $KA = 7x - 4$ and $KV = 8x - 1$



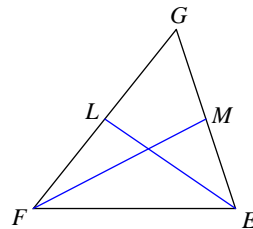
- A) 15 B) 10
C) 30 D) 3.33

13) Find TE if $TE = 10x + 11$ and $JE = 3x + 5$



- A) 51 B) 102
C) 25.5 D) 17

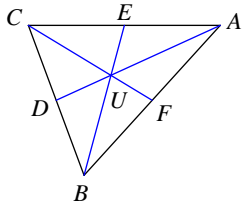
14) Find GF if $GF = 4x - 14$ and $LF = 3x - 17$



- A) 78 B) 17.33
C) 39 D) 26

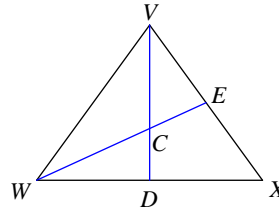


15) Find AU if $AU = -2 + 4x$ and $UD = 3x - 4$



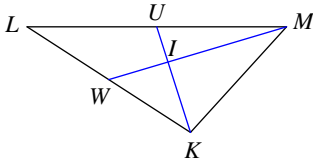
- A) 30 B) 10
C) 6.67 D) 15

16) Find WE if $WC = 4x - 2$ and $WE = 5x + 1$



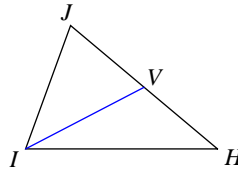
- A) 21 B) 7
C) 42 D) 31.5

17) Find KI if $KI = 3x - 5$ and $KU = 3x - 3$



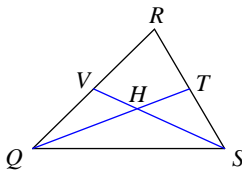
- A) 12 B) 2.67
C) 2 D) 4

18) Find VJ if $VJ = x + 5$ and $VH = 3x - 5$



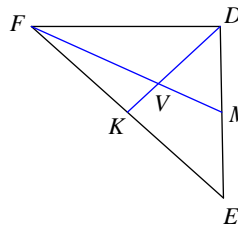
- A) 3.33 B) 10
C) 30 D) 5

19) Find HT if $QH = 8x + 8$ and $QT = 13x + 8$



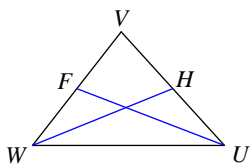
- A) 10 B) 13.33
C) 30 D) 20

20) Find FM if $FV = 4x - 4$ and $FM = 2x + 6$



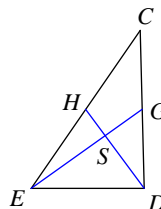
- A) 8 B) 24
C) 6 D) 12

21) Find VW if $VW = -4 + x$ and $FW = x - \frac{11}{2}$



- A) 9 B) 1.5
C) 3 D) 6

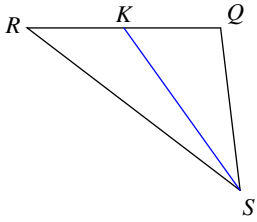
22) Find EG if $ES = 7x$ and $EG = 1 + 10x$



- A) 14 B) 21
C) 31.5 D) 7

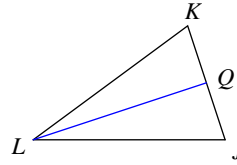


23) Find KQ if $QR = 6x - 2$ and $KR = 4x - 3$



- A) 10
- B) 1.67
- C) 5
- D) 7.5

24) Find QJ if $QK = \frac{7}{5}x - \frac{7}{5}$ and $QJ = \frac{8x - 14}{5}$



- A) 4.2
- B) 5.6
- C) 2.8
- D) 8.4



Answers to Assignment (ID: 9)

- 1) C
- 5) A
- 9) B
- 13) A
- 17) D
- 21) C

- 2) B
- 6) B
- 10) A
- 14) D
- 18) B
- 22) B

- 3) A
- 7) A
- 11) B
- 15) B
- 19) D
- 23) C

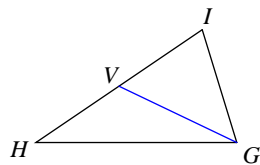
- 4) C
- 8) A
- 12) B
- 16) A
- 20) D
- 24) D



Assignment

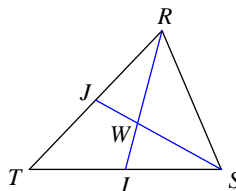
Each figure shows a triangle with one or more of its medians.

1) Find VI if $IH = -13 + 7x$ and $VH = 3x - 3$



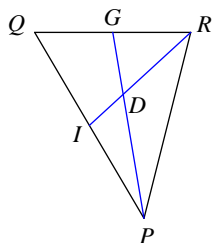
- A) 9 B) 18
C) 36 D) 12

2) Find WJ if $SW = x - 2$ and $SJ = 2x - 8$



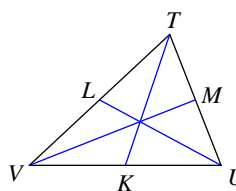
- A) 8 B) 12
C) 2.67 D) 4

3) Find DI if $RD = 2x - 2$ and $DI = -19 + 2x$



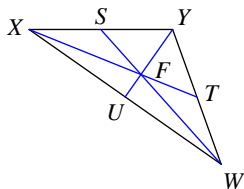
- A) 17 B) 8.5
C) 51 D) 5.67

4) Find VU if $VU = 3x + 1$ and $KU = \frac{5x - 7}{2}$



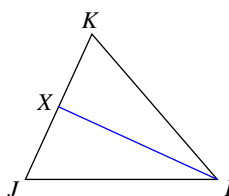
- A) 8.67 B) 6.5
C) 4.33 D) 13

5) Find XT if $XT = -3 + 2x$ and $FT = 3x - 8$



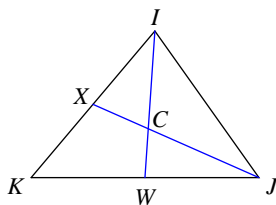
- A) 2 B) 1
C) 3 D) 4.5

6) Find KJ if $XJ = \frac{8}{5}x - \frac{19}{10}$ and $XK = \frac{3}{2}x - \frac{7}{10}$



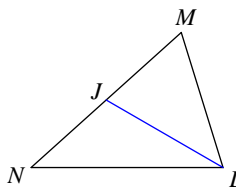
- A) 34.6 B) 51.9
C) 17.3 D) 11.53

7) Find CW if $IW = x + 2$ and $CW = x - 4$



- A) 2 B) 9
C) 3 D) 1.5

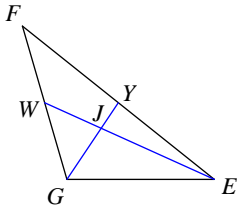
8) Find MN if $JN = 2x + 7$ and $JM = 6x - 5$



- A) 13 B) 78
C) 52 D) 26

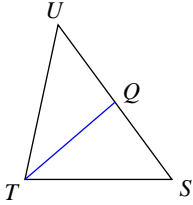


9) Find GY if $GJ = 5x - 9$ and $GY = \frac{13}{2} + 5x$



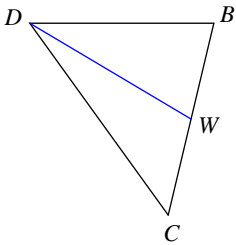
- A) 15.5 B) 31
C) 46.5 D) 23.25

11) Find QU if $QU = 2x - 16$ and $QS = x + 2$



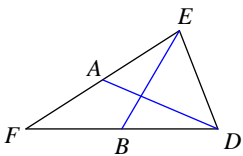
- A) 30 B) 6.67
C) 20 D) 60

13) Find CB if $WB = \frac{3}{2}x - \frac{15}{2}$ and $WC = \frac{2x - 7}{2}$



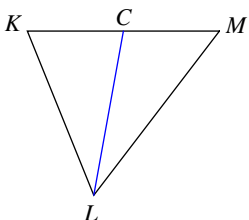
- A) 27 B) 3
C) 9 D) 13.5

15) Find BF if $FD = 3x - 19$ and $BD = 2x - 17$

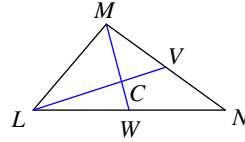


- A) 6.5 B) 13
C) 8.67 D) 4.33

16) Find MK if $MK = \frac{3x + 11}{5}$ and $CK = \frac{4x - 17}{5}$

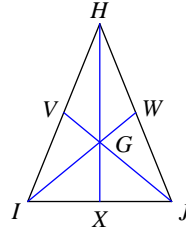


10) Find WN if $WN = 8x$ and $WL = 9x - 1$



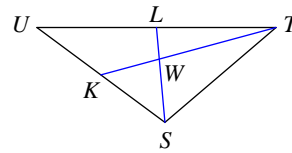
- A) 5.33 B) 16
C) 2.67 D) 8

12) Find HG if $HX = 7x - 17$ and $GX = 3x - 13$



- A) 40 B) 20
C) 13.33 D) 80

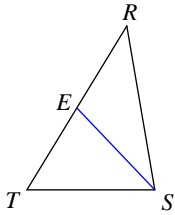
14) Find WL if $SW = 5x - 9$ and $WL = 2x - 1$



- A) 13 B) 39
C) 6.5 D) 19.5

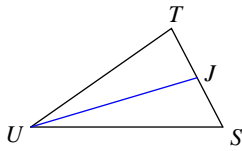


17) Find RT if $ET = -13 + 2x$ and $ER = x + 2$



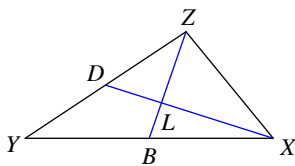
- A) 102 B) 51
C) 17 D) 34

19) Find JT if $JT = x + 7$ and $JS = 3x - 11$



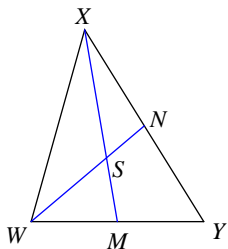
- A) 5.33 B) 16
C) 48 D) 24

21) Find LB if $ZL = \frac{11x + 9}{5}$ and $ZB = \frac{18x - 12}{5}$



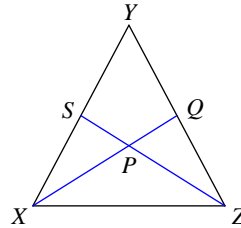
- A) 29.4 B) 39.2
C) 19.6 D) 6.53

23) Find SN if $WS = 4x + 10$ and $SN = x + 10$



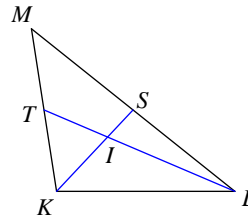
- A) 5 B) 30
C) 45 D) 15

18) Find XP if $XP = x + 1$ and $XQ = x + 4$



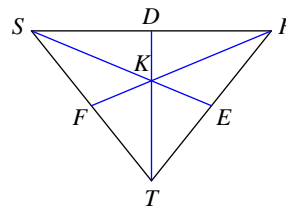
- A) 9 B) 6
C) 3 D) 18

20) Find KS if $KI = x - 12$ and $IS = -16 + x$



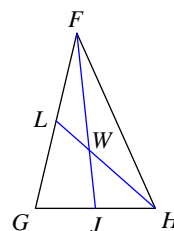
- A) 12 B) 4
C) 18 D) 6

22) Find KD if $TD = 6x$ and $KD = x + 9$



- A) 36 B) 18
C) 6 D) 12

24) Find WL if $HL = \frac{3}{2}x - \frac{3}{2}$ and $WL = x - \frac{13}{2}$



- A) 16.5 B) 2.75
C) $\frac{11}{2}$ D) 1.83



Answers to Assignment (ID: 10)

1) B
5) C
9) C
13) C
17) D
21) C

2) D
6) A
10) D
14) A
18) B
22) B

3) A
7) C
11) C
15) B
19) B
23) D

4) D
8) D
12) A
16) B
20) A
24) C

