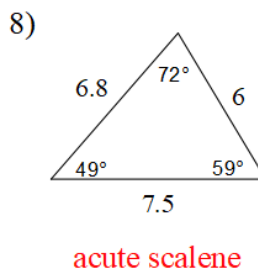
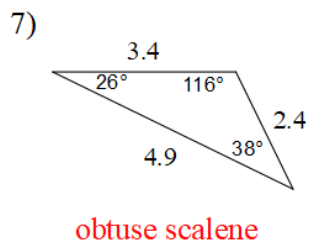
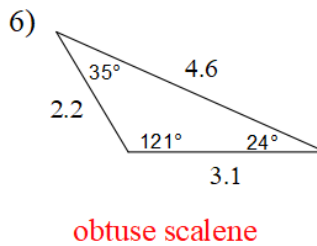
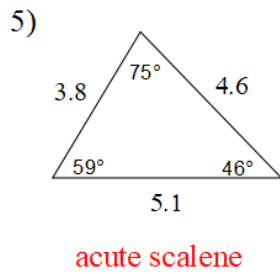
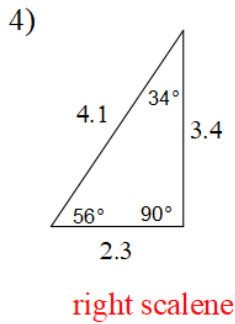
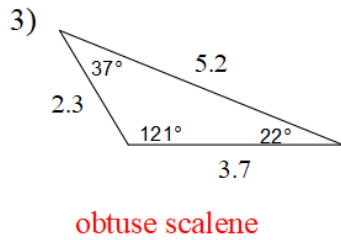
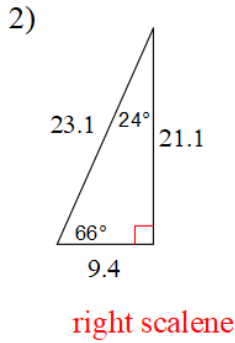
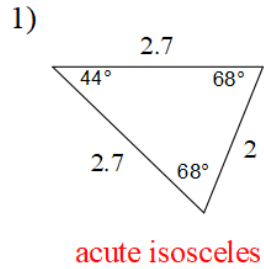
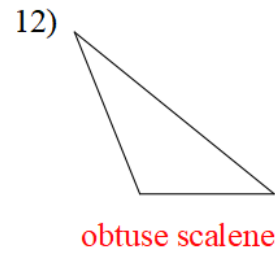
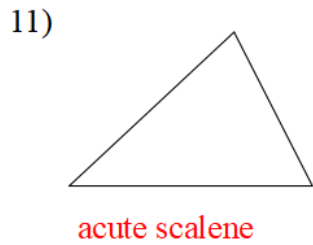
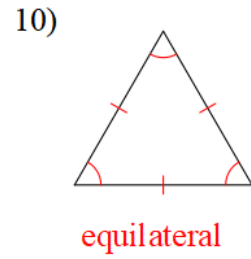
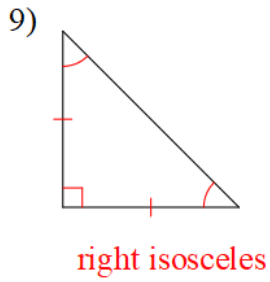


Classifying Triangles

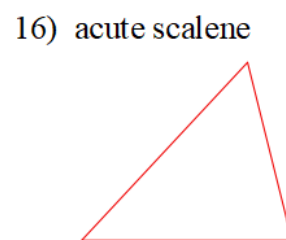
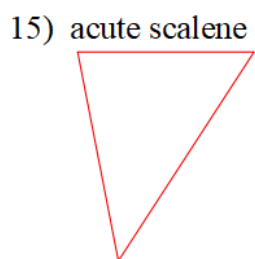
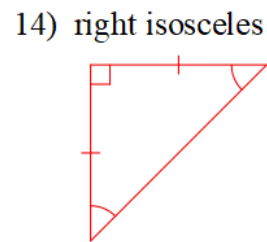
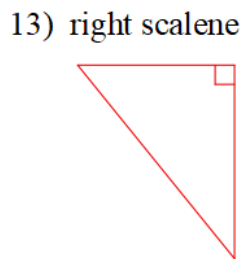
Classify each triangle by its angles and sides.



Classify each triangle by its angles and sides. Equal sides and equal angles, if any, are indicated in each diagram.

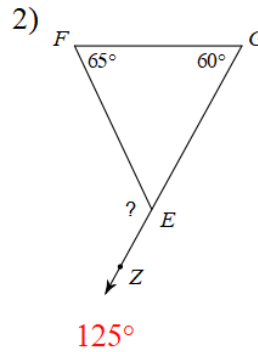
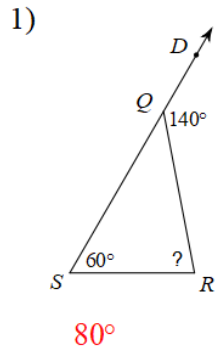


Sketch an example of the type of triangle described. Mark the triangle to indicate what information is known.

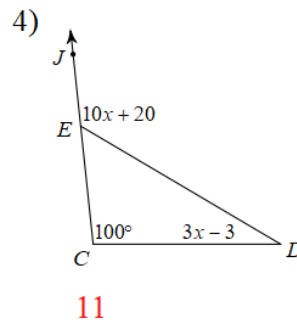
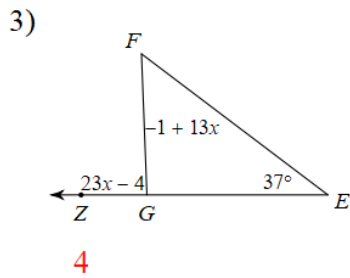


Triangle Angle Theorems

Find the measure of each angle indicated.

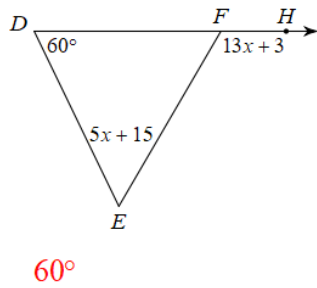


Solve for x .

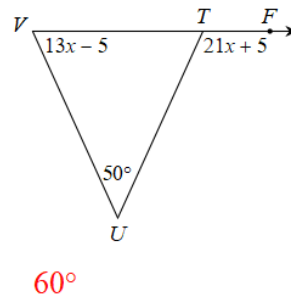


Find the measure of the angle indicated by solving for x first.

5) Find $m\angle E$.

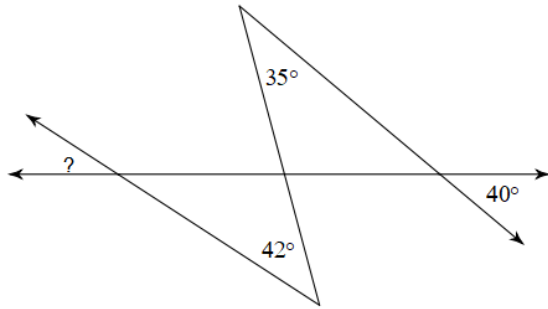


6) Find $m\angle V$.



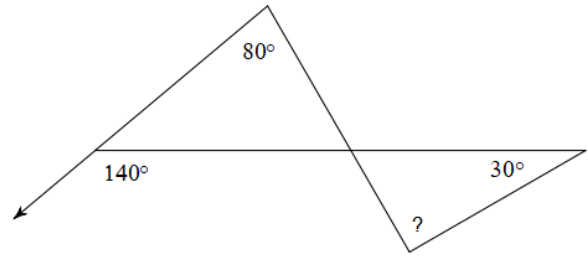
Find the measure of each angle indicated.

7)



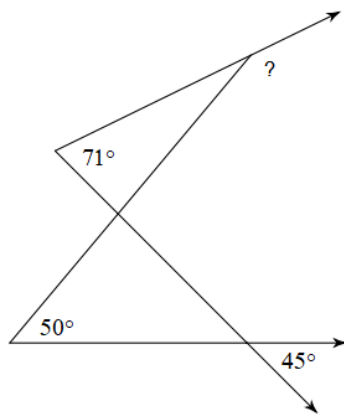
33°

8)



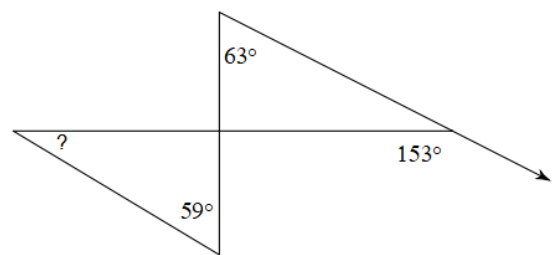
90°

9)



156°

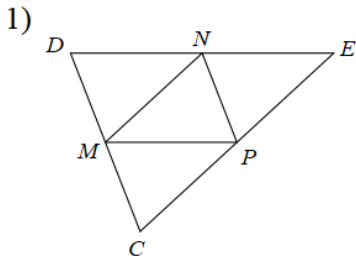
10)



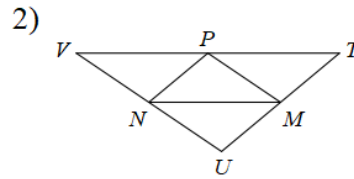
31°

Midsegment

In each triangle, M, N, and P are the midpoints of the sides. Name a segment parallel to the one given.



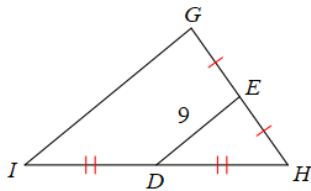
$\overline{DE} \parallel$
 \overline{MP}



 \parallel \overline{TV}
 \overline{MN}

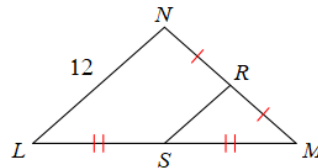
Find the missing length indicated.

3) Find GI



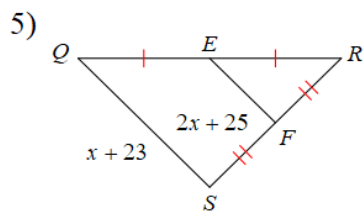
18

4) Find RS

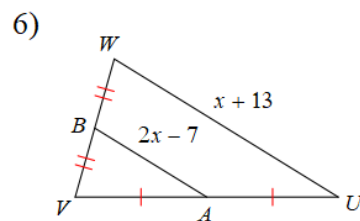


6

Solve for x .



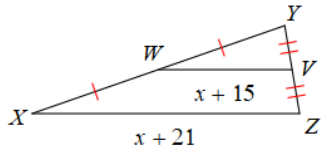
-9



9

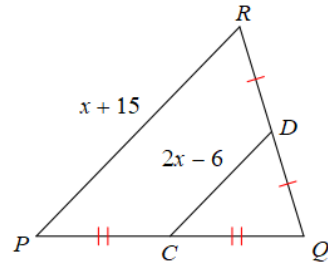
Find the missing length indicated.

7) Find WV



6

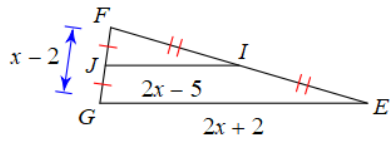
8) Find DC



12

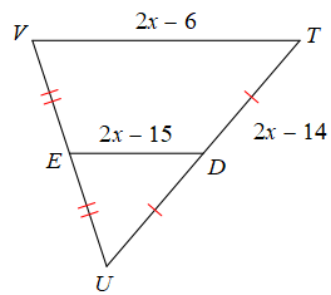
Solve for x .

9)



6

10)



12

Geometry

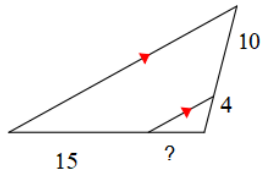
Name _____

Proportionality Theorem

Date _____ Block _____

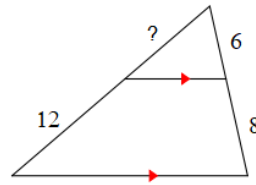
Find the missing length indicated.

1)



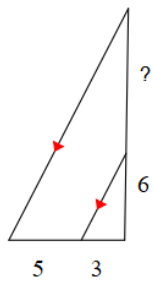
6

2)



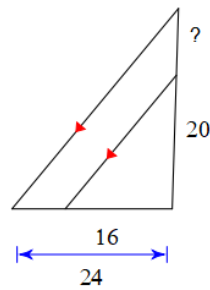
9

3)



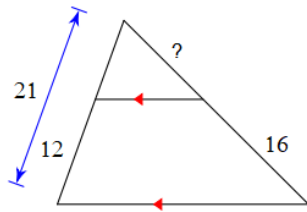
10

4)



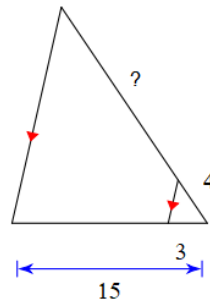
10

5)



12

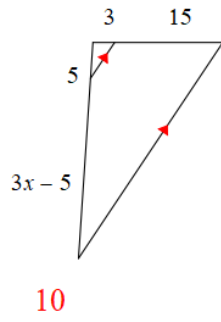
6)



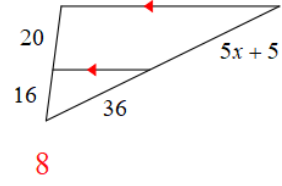
16

Solve for x .

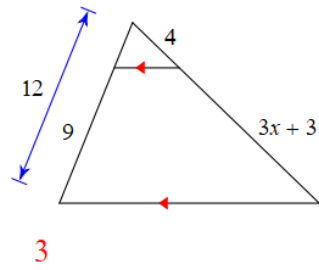
7)



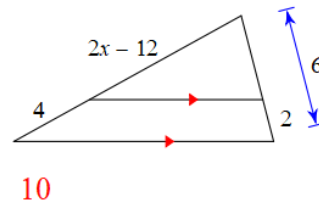
8)



9)



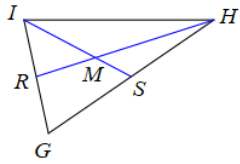
10)



Centroid Theorem

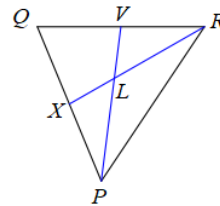
Each figure shows a triangle with one or more of its medians.

1) Find IS if $MS = 8$



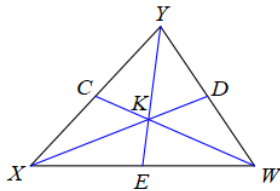
24

2) Find RX if $RL = 10$



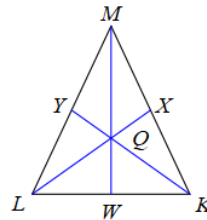
15

3) Find XK if $KD = 3$



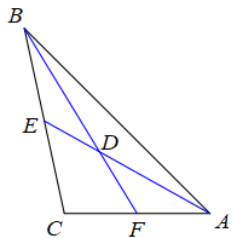
6

4) Find QW if $MW = 15$



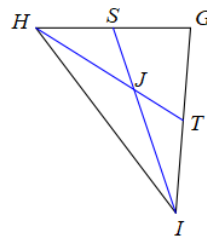
5

5) Find x if $BD = -2 + 3x$ and $DF = x + 1$



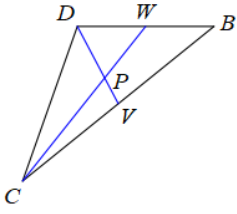
4

6) Find x if $HT = 2x - 11$ and $JT = x - 7$



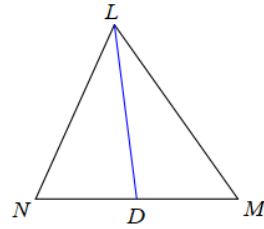
10

7) Find x if $CP = x - 8$ and $CW = x - 6$



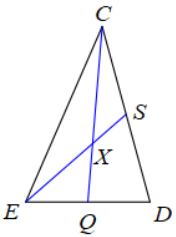
12

8) Find x if $DM = 3x - 5$ and $DN = 2x$



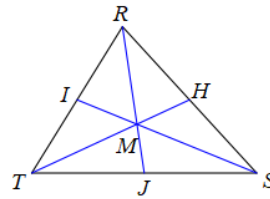
5

9) Find EX if $EX = 6x - 2$ and $ES = 8x - 1$



10

10) Find MI if $SM = -3 + x$ and $SI = 2x - 9$



3