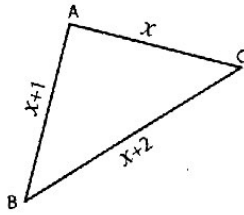


Triangle - Computing Sides

Example:



Perimeter = 12 in

Perimeter = Sum of length of the sides

$$12 \text{ in} = x + x + 1 + x + 2$$

$$12 \text{ in} = 3x + 3$$

$$3x = 12 - 3$$

$$x = \frac{9}{3} = 3 \text{ in}$$

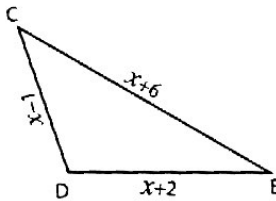
$$\overline{AB} = x + 1 = 3 + 1 = 4 \text{ in}$$

$$\overline{BC} = x + 2 = 3 + 2 = 5 \text{ in}$$

$$\overline{AC} = x = 3 \text{ in}$$

Find the value of x and compute the length of the sides for each triangle.

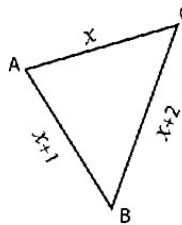
1)



Perimeter = 25 ft ; $x =$ _____

$\overline{CD} =$ _____ ; $\overline{DE} =$ _____ ; $\overline{CE} =$ _____

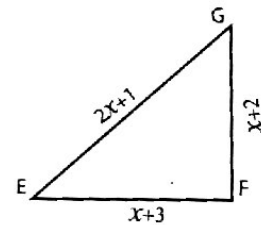
2)



Perimeter = 27 cm ; $x =$ _____

$\overline{AB} =$ _____ ; $\overline{BC} =$ _____ ; $\overline{AC} =$ _____

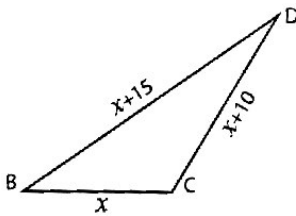
3)



Perimeter = 34 m ; $x =$ _____

$\overline{EF} =$ _____ ; $\overline{FG} =$ _____ ; $\overline{EG} =$ _____

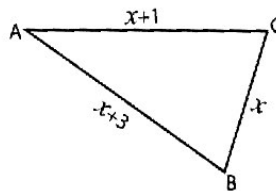
4)



Perimeter = 85 m ; $x =$ _____

$\overline{BC} =$ _____ ; $\overline{CD} =$ _____ ; $\overline{BD} =$ _____

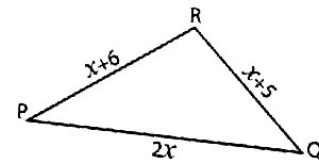
5)



Perimeter = 43 in ; $x =$ _____

$\overline{AB} =$ _____ ; $\overline{BC} =$ _____ ; $\overline{AC} =$ _____

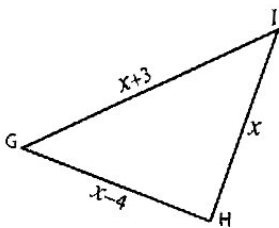
6)



Perimeter = 47 yd ; $x =$ _____

$\overline{PQ} =$ _____ ; $\overline{QR} =$ _____ ; $\overline{PR} =$ _____

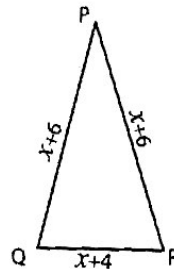
7)



Perimeter = 32 cm ; $x =$ _____

$\overline{GH} =$ _____ ; $\overline{HI} =$ _____ ; $\overline{GI} =$ _____

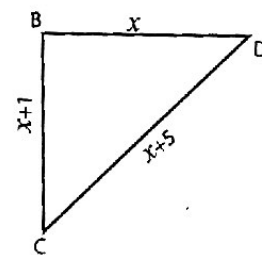
8)



Perimeter = 40 ft ; $x =$ _____

$\overline{PQ} =$ _____ ; $\overline{QR} =$ _____ ; $\overline{PR} =$ _____

9)



Perimeter = 48 yd ; $x =$ _____

$\overline{BC} =$ _____ ; $\overline{CD} =$ _____ ; $\overline{BD} =$ _____