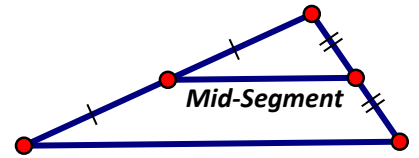


Mid-Segment Theorem

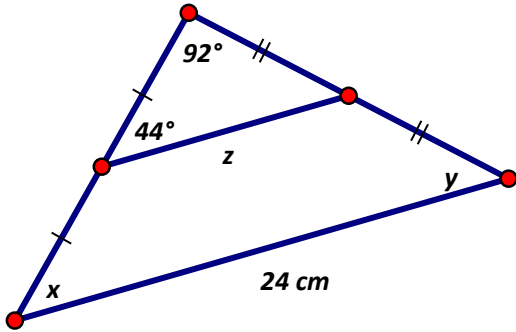
G.CO.C.10

Quick Concept: The mid-segment of a triangle is the segment that connects the midpoint of two sides. The mid-segment is parallel to and half the size of the third side.



1) Find the value of x .

a)

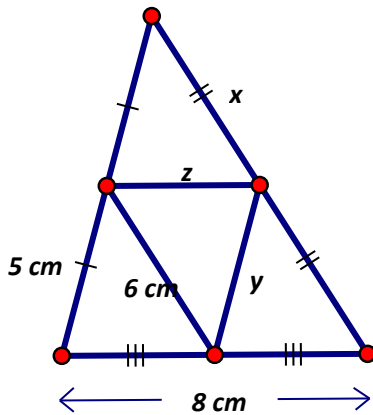


$x =$ _____

$y =$ _____

$z =$ _____

d)

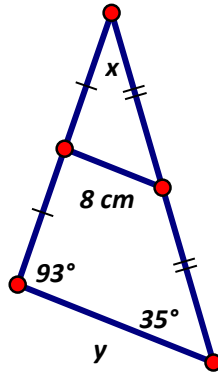


$x =$ _____

$y =$ _____

$z =$ _____

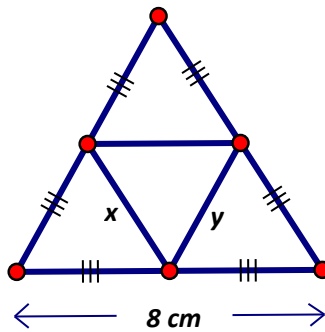
b)



$x =$ _____

$y =$ _____

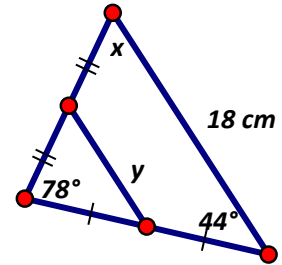
e)



$x =$ _____

$y =$ _____

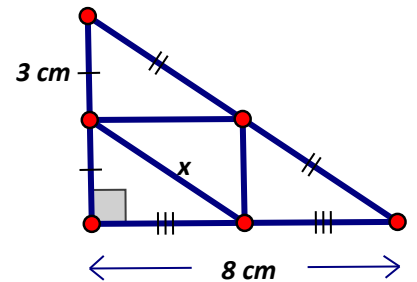
c)



$x =$ _____

$y =$ _____

f)



$x =$ _____

2) The perimeter of a triangle is 24 cm. What would be the perimeter of the triangle formed by the three mid-segments of the same triangle?

3) An equilateral triangle has a side of 12 cm. What is the perimeter of the triangle formed by the three mid-segments of the same triangle?