

Ratios:

Ch 7 QUIZ Prep

Name: _____

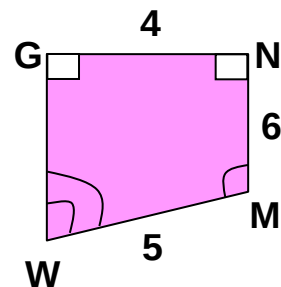
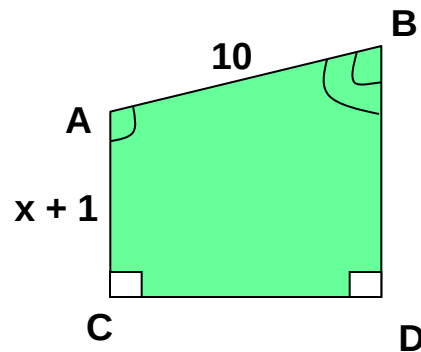
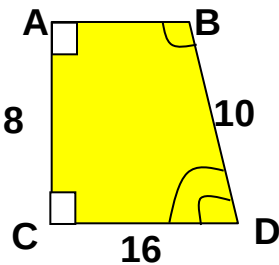
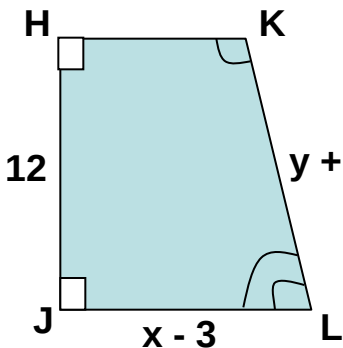
1) $\frac{3}{4} = \frac{x}{12}$

2) $\frac{x - 12}{6} = \frac{x + 7}{-4}$

3) $\frac{7}{3} = \frac{28}{z}$

4) $\frac{x + 2}{5} = \frac{14}{10}$

Similar Polygons (find the variable)

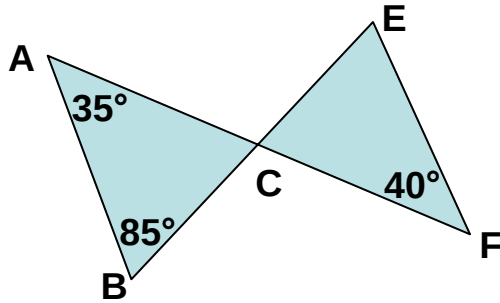


x = _____

x = _____

y = _____

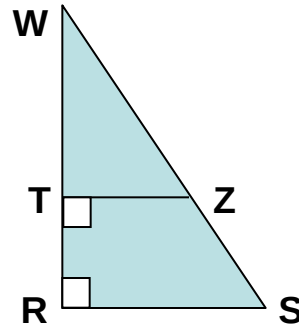
Similar Triangles (determine if similar, what Theorem and list in proper order)



Similar: Y or N

Why? _____

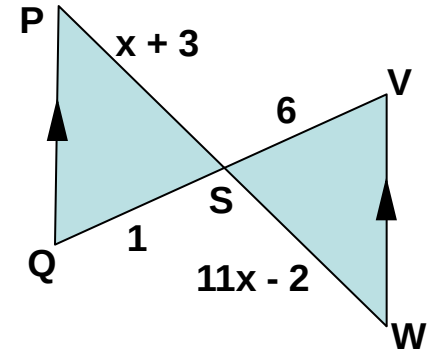
$\triangle ABC \sim \triangle$ _____



Similar: Y or N

Why? _____

$\triangle WRS \sim \triangle$ _____



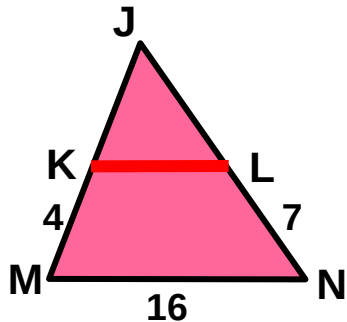
Similar: Y or N

Why? _____

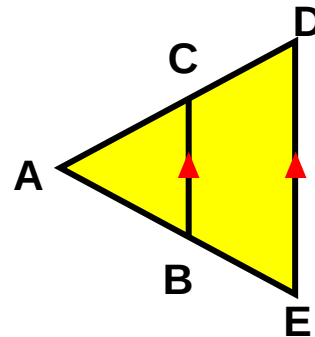
$\triangle PQS \sim \triangle$ _____

$x =$ _____

Find JK, JL, and KL;
if K and L are midpoints
And KL is a mid-segment

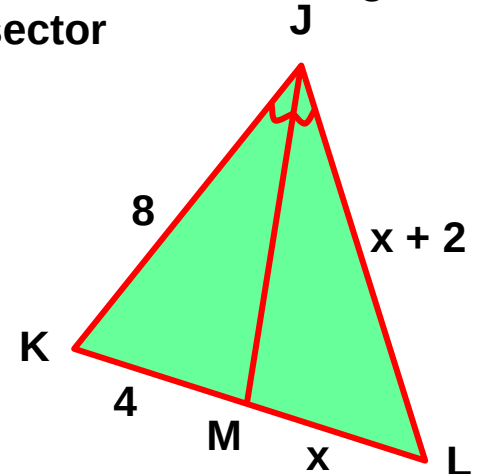


Find x , if $AC = x-2$, $CD = 6$,
 $BE = 8$ and $AB = x+1$



$x =$ _____

Find x , if JM is an angle
bisector



$x =$ _____