

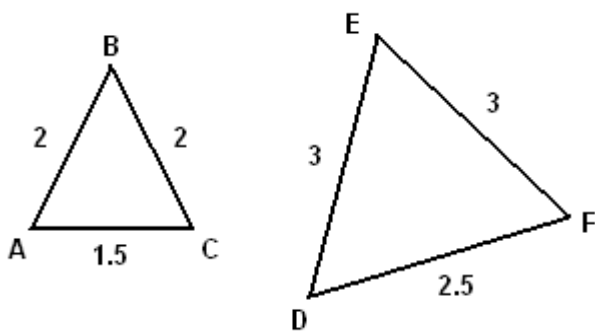
Triangle Similarity

Congruence Shortcuts

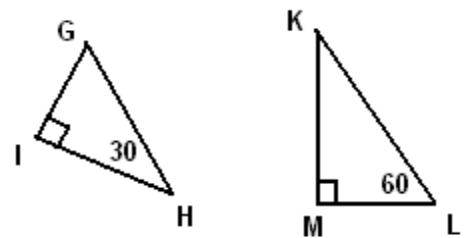
Similarity Shortcuts

In each of the following problems, determine if the two triangles are similar. If so, state a correspondence and explain your answer.

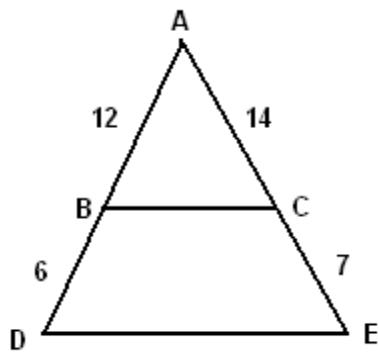
1.)



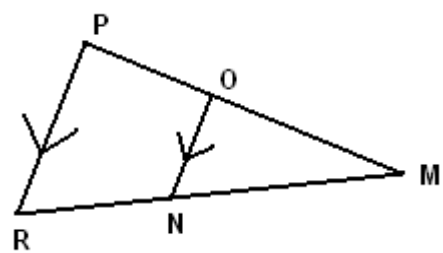
2.)



3.)

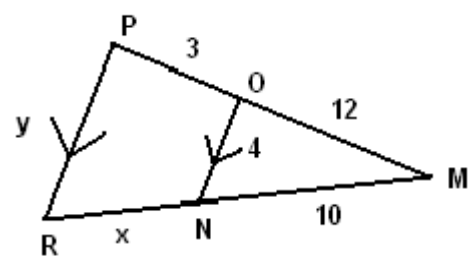


4.)

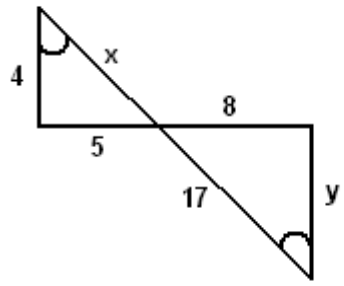


In each of the following problems, solve for the value of the variable(s):

[EX]

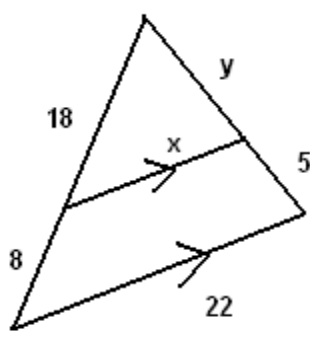


1.)



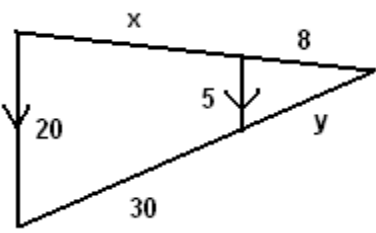
x = _____
y = _____

2.)



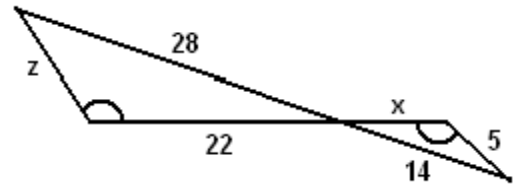
x = _____
y = _____

3.)



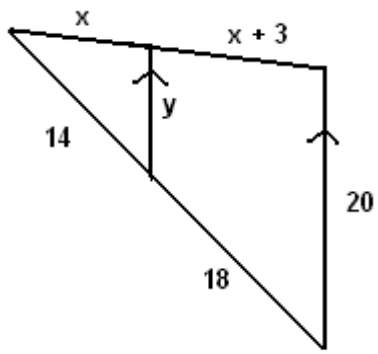
x = _____
y = _____

4.)



x = _____
z = _____

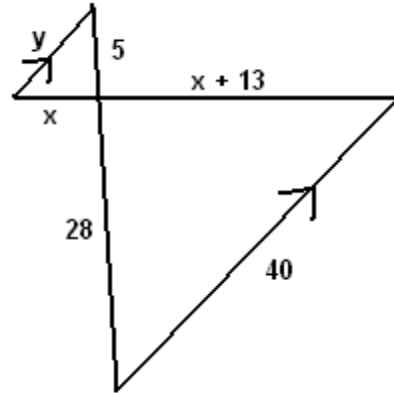
5.)



$x =$ _____

$y =$ _____

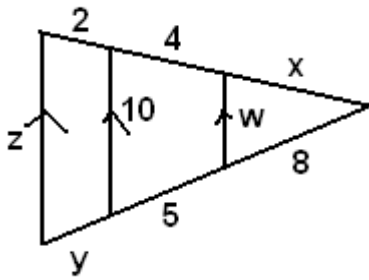
6.)



$x =$ _____

$y =$ _____

7.)



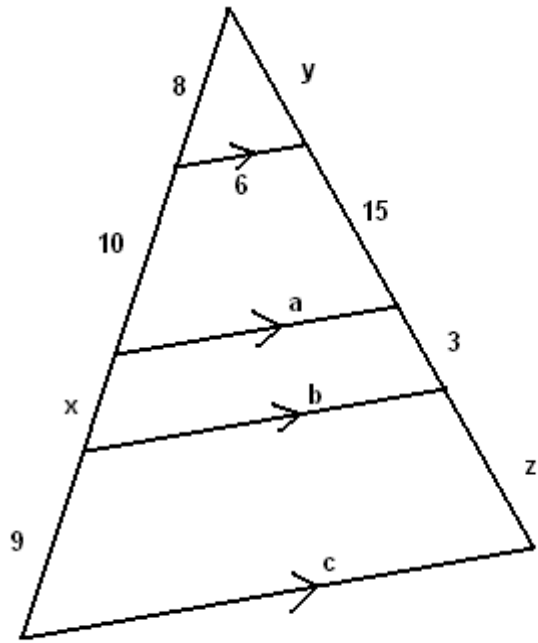
$w =$ _____

$x =$ _____

$y =$ _____

$z =$ _____

8.)



x = _____

y = _____

z = _____

a = _____

b = _____

c = _____