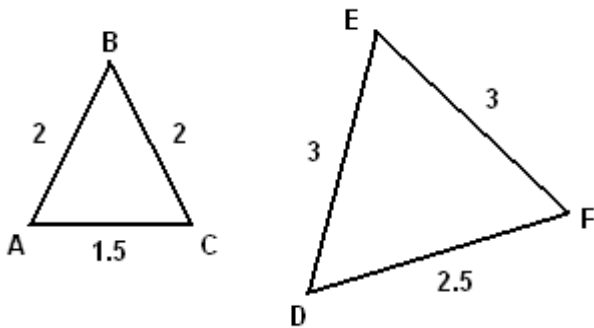


Congruence Shortcuts

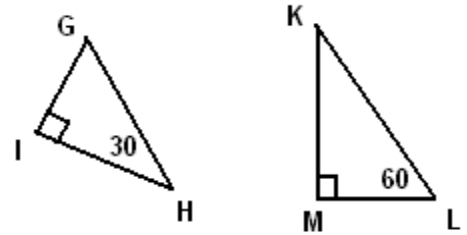
Similarity Shortcuts

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

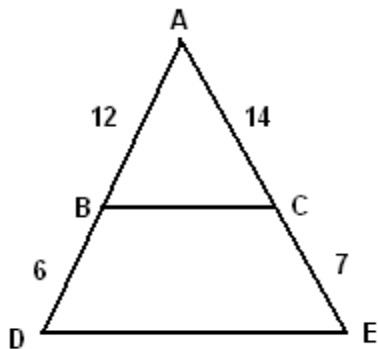
1.)



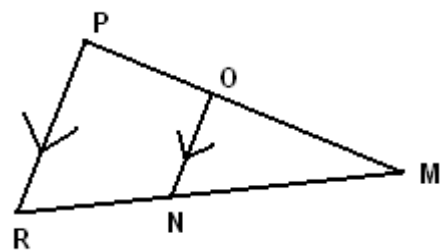
2.)



3.)

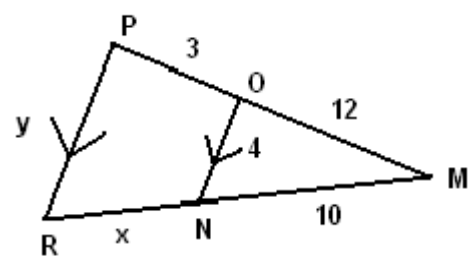


4.)

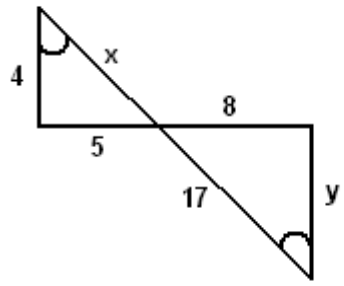


In each of the following problems, solve for the value of the variable(s):

[EX]

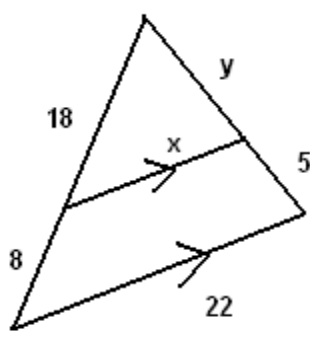


1.)



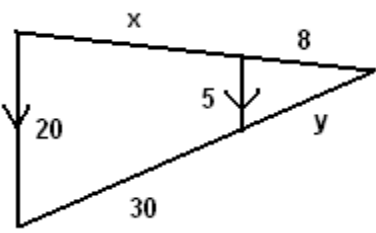
$x = \underline{\hspace{2cm}}$   
 $y = \underline{\hspace{2cm}}$

2.)



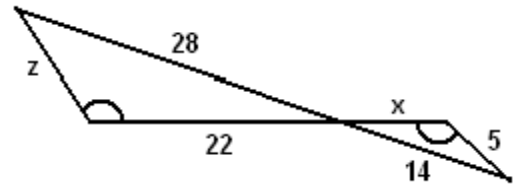
$x = \underline{\hspace{2cm}}$   
 $y = \underline{\hspace{2cm}}$

3.)



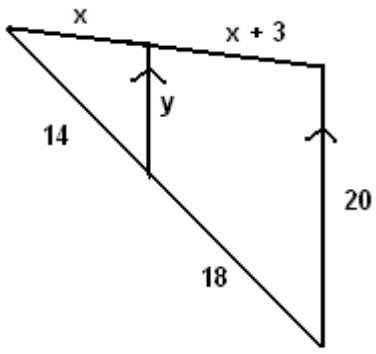
$x = \underline{\hspace{2cm}}$   
 $y = \underline{\hspace{2cm}}$

4.)



$x = \underline{\hspace{2cm}}$   
 $z = \underline{\hspace{2cm}}$

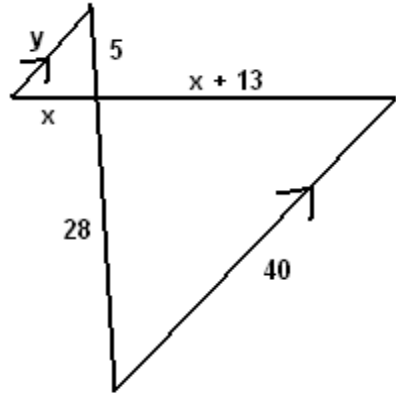
5.)



$x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

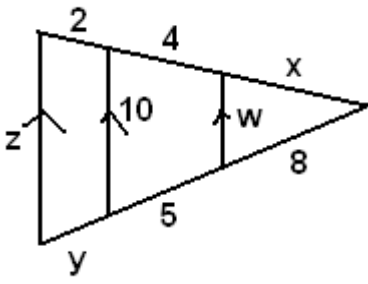
6.)



$x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

7.)



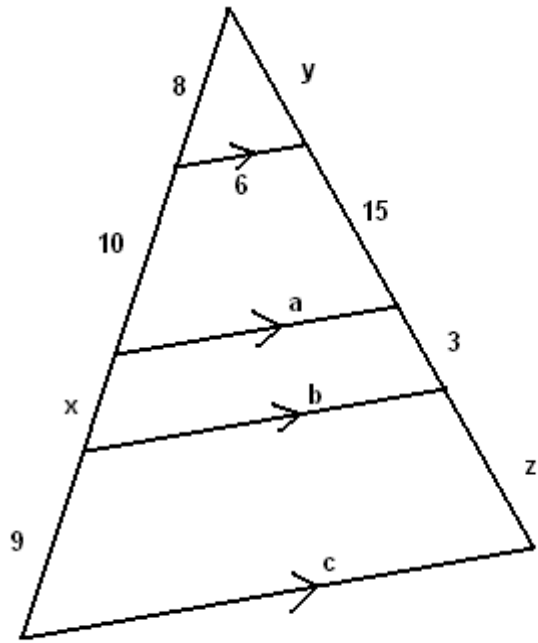
$w =$  \_\_\_\_\_

$x =$  \_\_\_\_\_

$y =$  \_\_\_\_\_

$z =$  \_\_\_\_\_

8.)



x = \_\_\_\_\_

y = \_\_\_\_\_

z = \_\_\_\_\_

a = \_\_\_\_\_

b = \_\_\_\_\_

c = \_\_\_\_\_