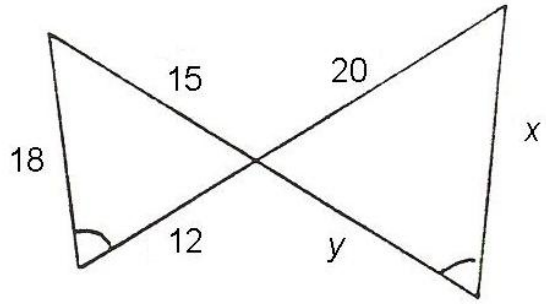
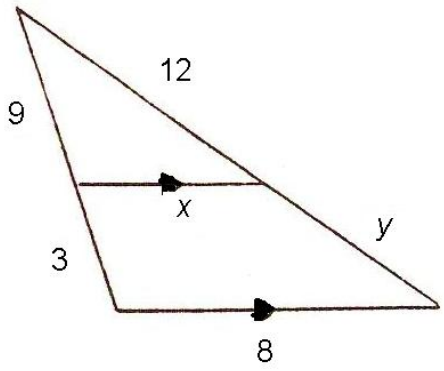
DIRECTIONS: Mark the diagrams with congruent angles so you can use AA Similarity.



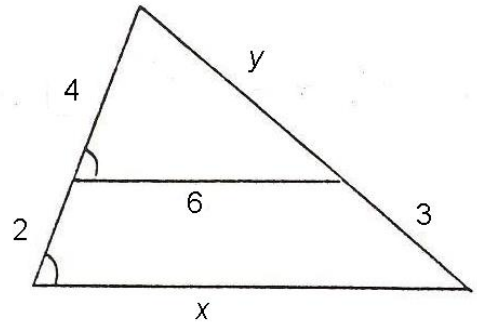
1. What is the scale factor for the two triangles? _____

$x =$ _____ $y =$ _____



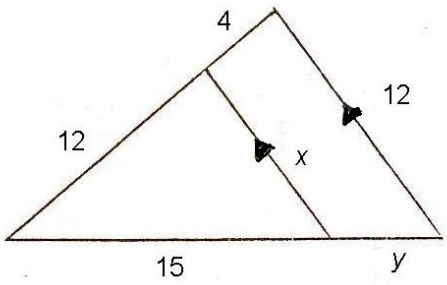
2. What is the scale factor for the two triangles? _____

$x =$ _____ $y =$ _____



3. What is the scale factor for the two triangles? _____

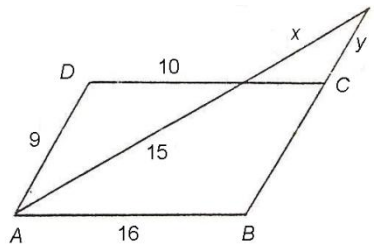
$x =$ _____ $y =$ _____



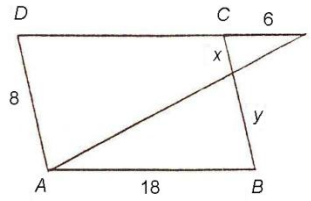
4. What is the scale factor for the two triangles? _____

$x =$ _____ $y =$ _____

DIRECTIONS: ABCD is a parallelogram. Look for triangles inside triangles so you can use AA Similarity. You will need to find a scale factor to solve for x and y.



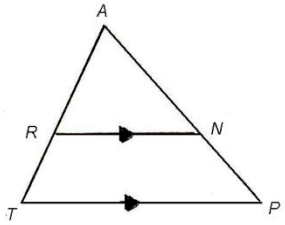
5. $x =$ _____ $y =$ _____



6. $x =$ _____ $y =$ _____

DIRECTIONS: Complete the chart for each problem.

7.

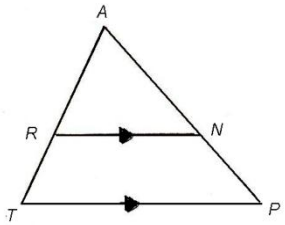


AR	*RT*	*AT*
6	4	

AN	*NP*	*AP*
9		

RN	*TP*
	15

8.

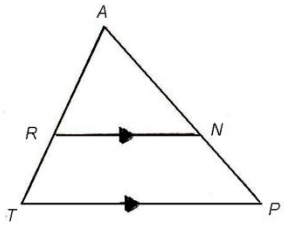


AR	*RT*	*AT*
12		20

AN	*NP*	*AP*
		30

RN	*TP*
15	

9.



AR	*RT*	*AT*
	18	

AN	*NP*	*AP*
	26	

RN	*TP*
12	36