


I'm not robot  reCAPTCHA

**Open**

Put **X** on all the star shaped objects.



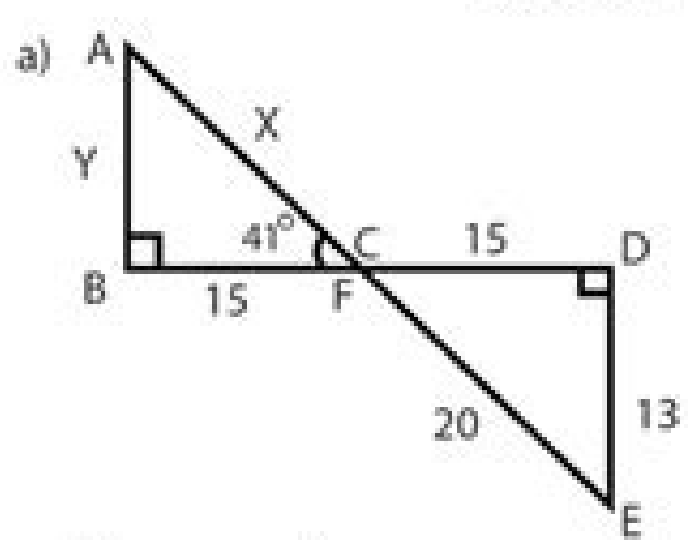
Name : \_\_\_\_\_

Score : \_\_\_\_\_ Date : \_\_\_\_\_

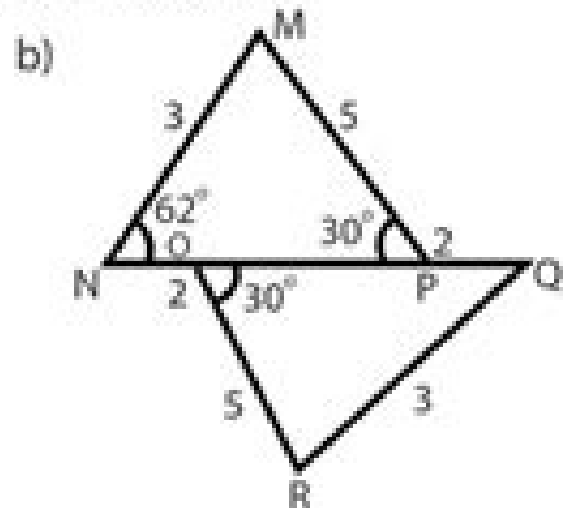


**Word Problems on Congruent Triangles Worksheet**

1 For each of these given sets of triangles, state the rule that tells you that they are congruent. Find the unknown values.

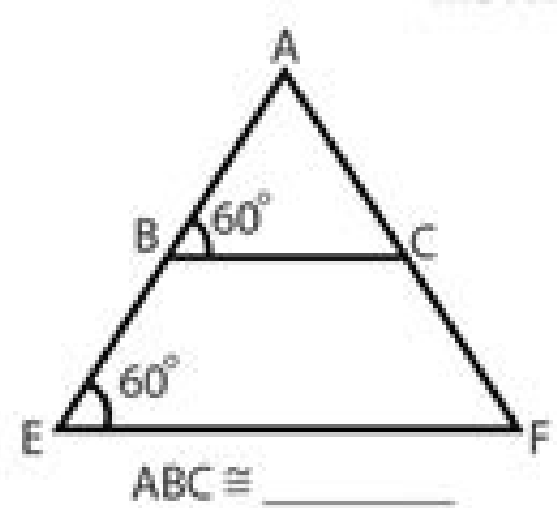


X = \_\_\_\_\_, Y = \_\_\_\_\_

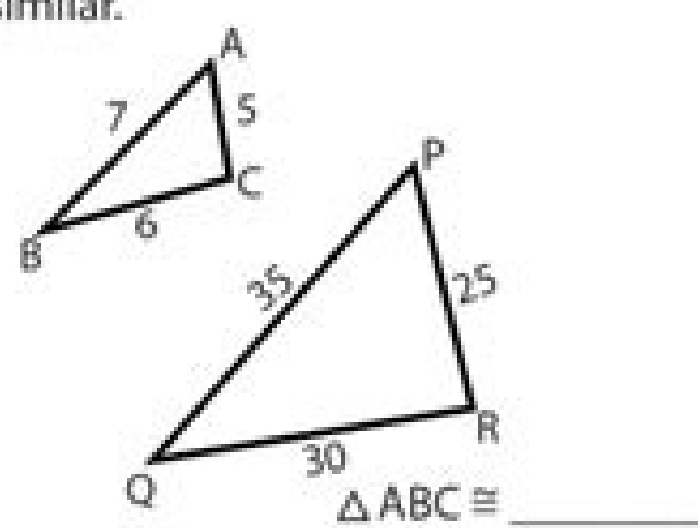


$\angle OQR =$  \_\_\_\_\_,  $\angle QRN =$  \_\_\_\_\_

2 Which of these pairs of triangles are similar? For the pairs that are similar, give the rule used to prove them similar.



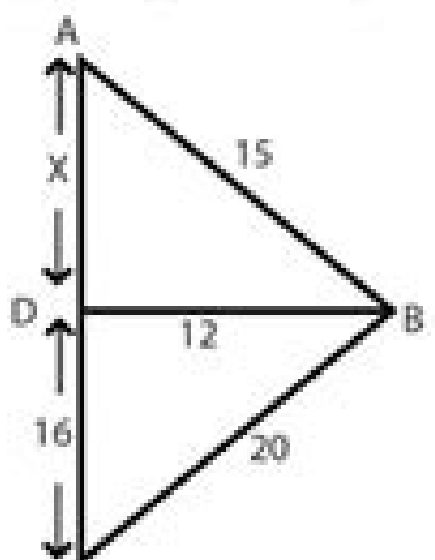
$\triangle ABC \cong$  \_\_\_\_\_



$\triangle ABC \cong$  \_\_\_\_\_

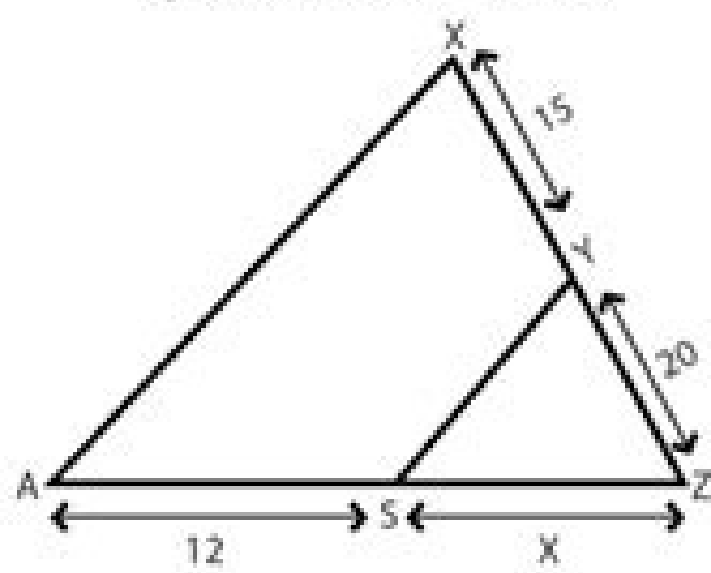
3 Solve for x in the given figures

a) Given  $\triangle ABD \cong \triangle ACB$



X = \_\_\_\_\_

b) Given  $\triangle AXZ \cong \triangle SYZ$



X = \_\_\_\_\_

**Calculate the area of Compound Figures**  
 (Remember to indicate correct units of measurement in your answer)

What is the area of this figure?

Area = \_\_\_\_\_

What is the area of this figure?

Area = \_\_\_\_\_

What is the area of this figure?

Area = \_\_\_\_\_

What is the area of this figure?

Area = \_\_\_\_\_



