

A Postulate for Similar Triangles

For use after Section 7-4

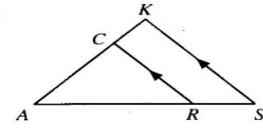
Refer to the diagram and complete.

1. $\triangle CAR \sim \triangle$ _____

2. $\frac{CR}{KS} = \frac{?}{AK}$ _____

3. $\angle S \cong \angle$ _____

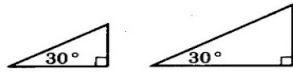
4. $\frac{SK}{RC} = \frac{AS}{?}$ _____



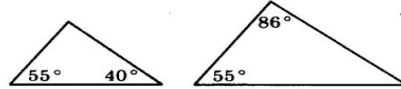
Exs. 1-4

Tell whether the triangles are similar or not similar.

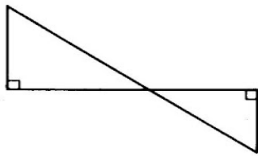
5.



6.



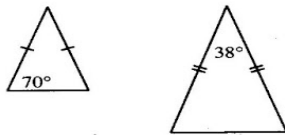
7.



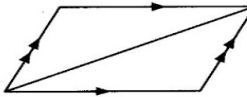
8.



9.

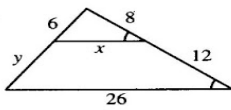


10.



Similar triangles are shown. Find the values of x and y .

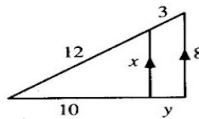
11.



$x =$ _____

$y =$ _____

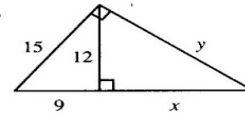
12.



$x =$ _____

$y =$ _____

13.



$x =$ _____

$y =$ _____