## A Postulate for Similar Triangles

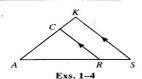
For use after Section 7-4

Refer to the diagram and complete.

1. 
$$\triangle CAR \sim \triangle$$
 \_\_\_\_\_

**2.** 
$$\frac{CR}{KS} = \frac{?}{AK}$$
**4.**  $\frac{SK}{RC} = \frac{AS}{?}$ 

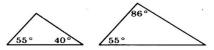
4. 
$$\frac{SK}{RC} = \frac{AS}{2}$$



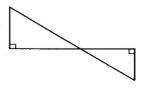
Tell whether the triangles are similar or not similar.



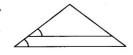
6.



7.

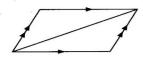


8.

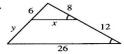


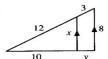


10.

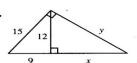


Similar triangles are shown. Find the values of x and y.





13.



$$x = \underline{\hspace{1cm}}$$