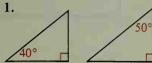
## **Written Exercises**

Tell whether the triangles are similar or not similar. If you can't reach a conclusion, write no conclusion is possible.

A

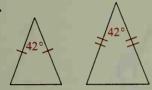




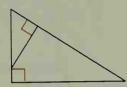
3.

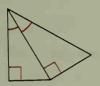


4.





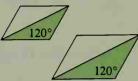




8.



9.



Parallelograms given

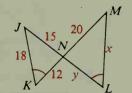
10. Complete.

a. 
$$\triangle JKN \sim ?$$

c. 
$$\frac{15}{2} = \frac{18}{2}$$
 and  $\frac{15}{2} = \frac{12}{2}$ 

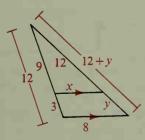
**b.** 
$$\frac{JK}{2} = \frac{JN}{2} = \frac{KN}{2}$$

**d.** 
$$x = \frac{?}{}$$
 and  $y = \frac{?}{}$ 

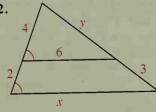


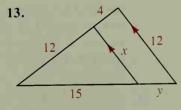
Find the values of x and y.

11.

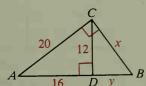


12.





- 14. a. Name two triangles that are similar to  $\triangle ABC$ .
  - **b.** Find the values of x and y.



15. If IV = 36 m, VE = 20 m, and EB = 15 m. find the width, RI, of the river.

