Name _____

Assignment 52 LESSON 6.3

Use the diagram to complete the statement.
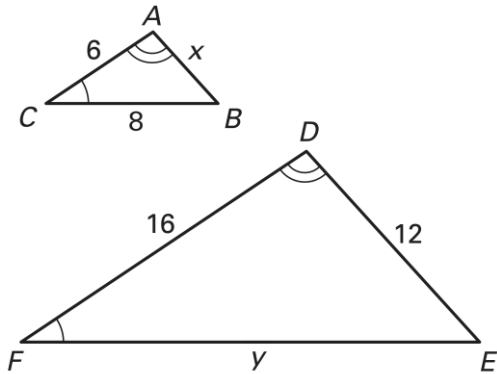
1. $\triangle ABC \sim$ ___?___

2. $\dfrac{AB}{?} = \dfrac{?}{EF} = \dfrac{CA}{?}$

3. $\angle B \cong$ ___?___

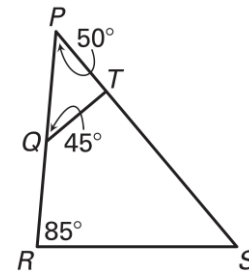**4.** $\dfrac{?}{12} = \dfrac{8}{?}$

5. $x =$ ___?___

6. $y =$ ___?___

Determine whether the triangles are similar. If they are, write a similarity statement.
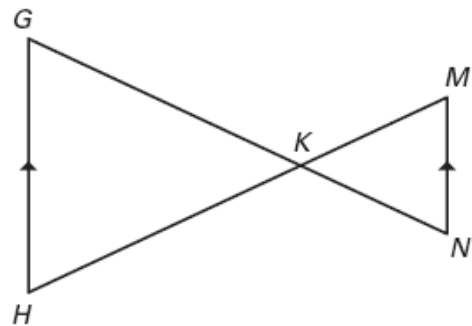
7.

8.
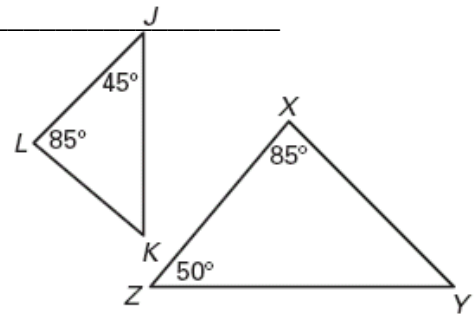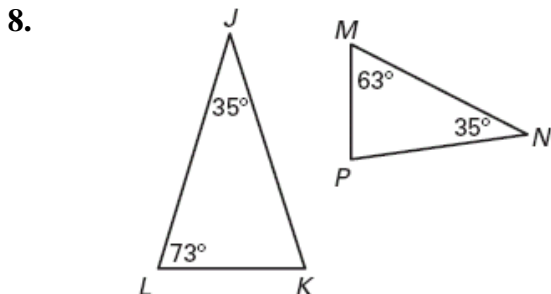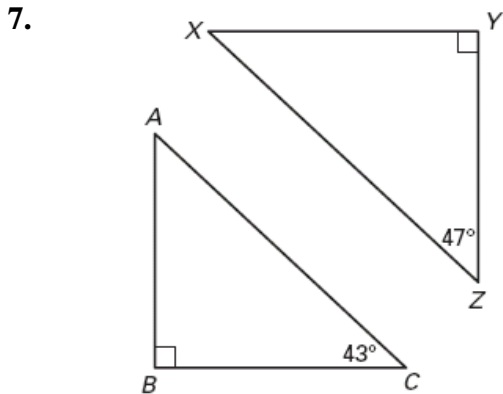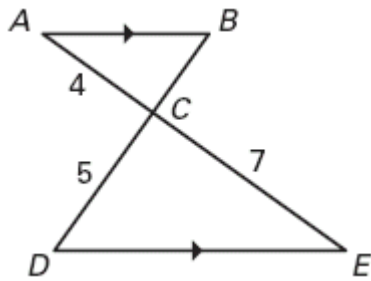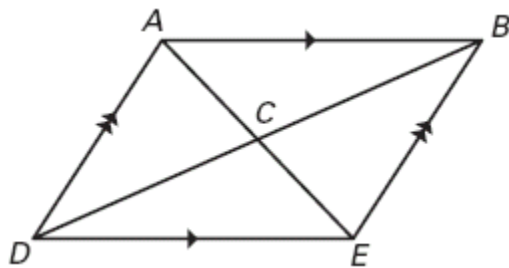

10.
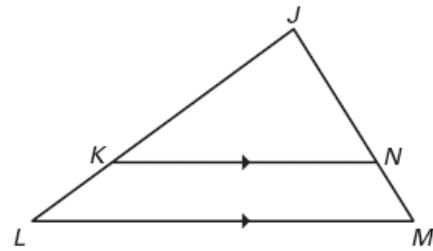
11.

12.

13. **Multiple Choice** In the diagram at the right, find the length of $\overline{BC}$.

A. $\dfrac{28}{5}$

B. 6

C. 3

D. $\dfrac{20}{7}$

In Exercises 14-17, use the diagram at the right.

14. List three pairs of congruent angles.
15. Name two pairs of similar triangles and write a similarity statement for each.
16. Is $\triangle ACD \sim \triangle BCE?$
17. Is $\triangle AED \cong \triangle EAB?$