Name _____   Date _____

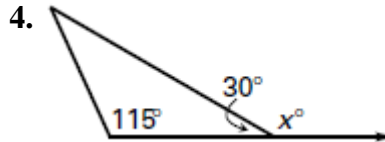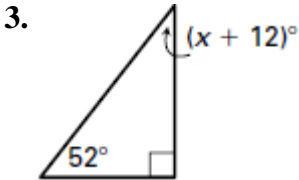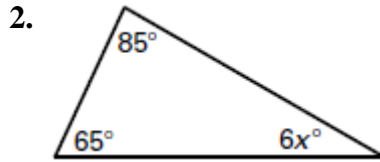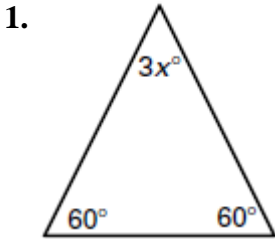**Assignment 39 Chapter 4 Test**
For use after the chapter "Congruent Triangles"

Find the value of x. Then classify the triangle by its angles.
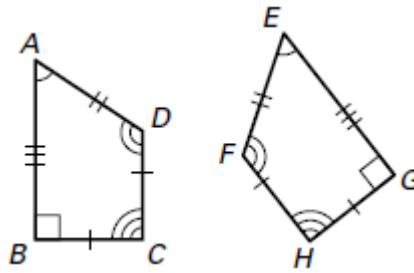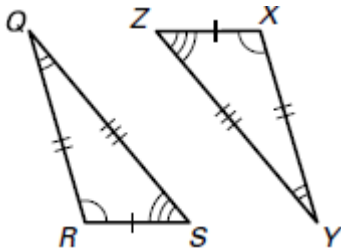
Answers

1.

2.

3.

4.

Complete the congruence statement for the figures.

5. $\triangle QRS \cong$ __?__

6. $ABCD \cong$ __?__

Identify the transformation you could use to move the solid figure onto the dashed figure.

7.

8.

State the congruence that is needed to prove $\triangle ABC \cong \triangle DEF$ using the given postulate or theorem.

9. Hypotenuse-Leg Congruence Theorem

10. AAS Congruence Postulate
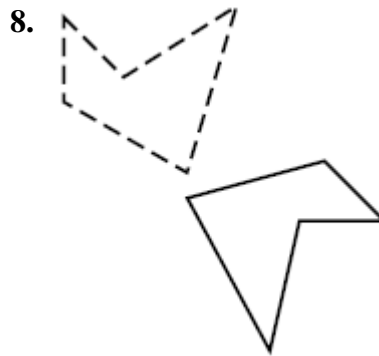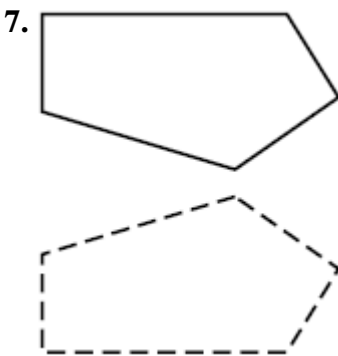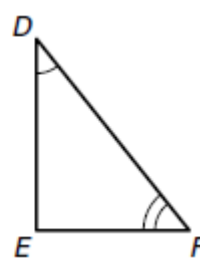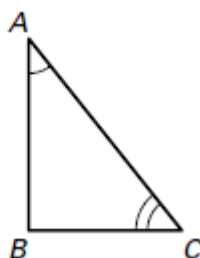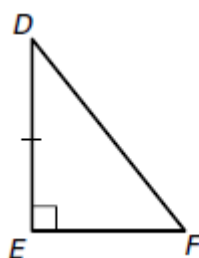

1. _____

   _____

2. _____

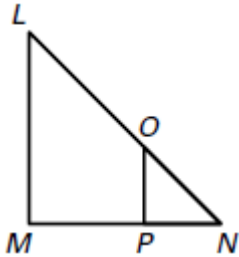   _____

3. _____

   _____

4. _____

   _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____
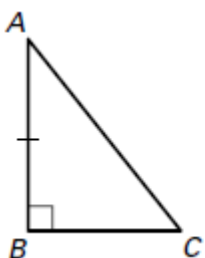
CHAPTER
4

Chapter Test A   *continued*
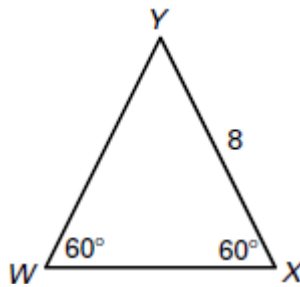*For use after the chapter "Congruent Triangles"*

Use the diagram to complete the statement.

11. If $\overline{LM} \cong \overline{MN}$, then $\angle$ _?_ $\cong \angle$ _?_ .
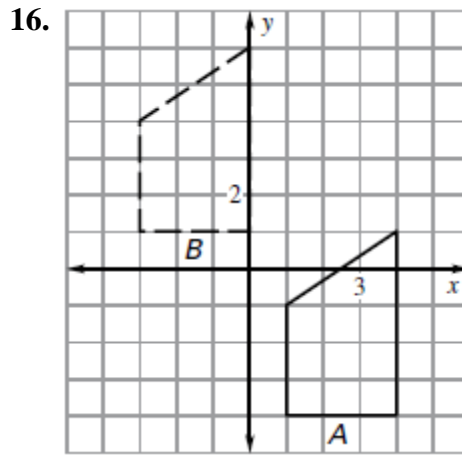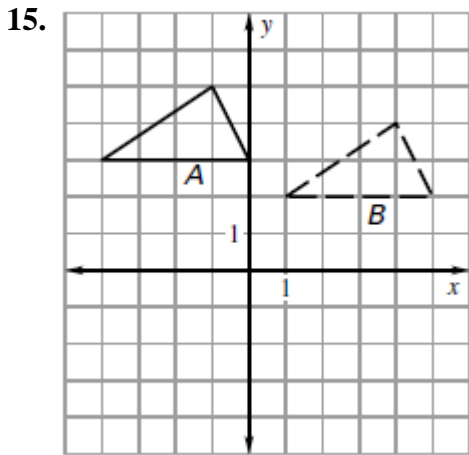
12. If $\angle PNO \cong \angle PON$, then _?_ $\cong$ _?_ .
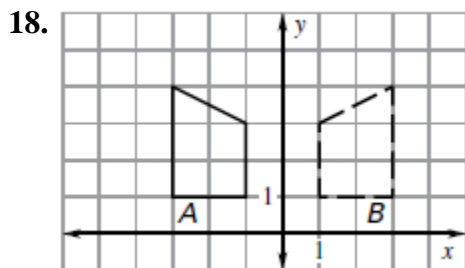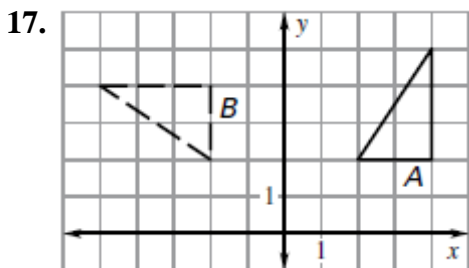

Use the diagram to find the measure.

13. $m \angle WYX$

14. *WX*

Answers

11. _____

12. _____

13. _____

_____

14. _____

_____

15. _____

16. _____

17. _____

18. _____

Use coordinate notation to describe the transformation from Figure A to Figure B.

15.

16.

Decide whether the transformation from Figure A to Figure B is a *translation*, *reflection*, or *rotation*.

17.

18.