Name_____ Date_____
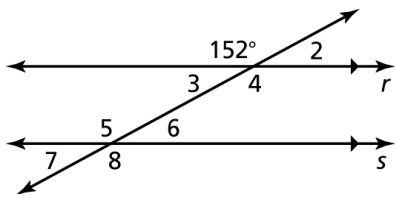
Chapter 3 & 12 Review

Use the figure to find the measure of the angle. Explain your reasoning.
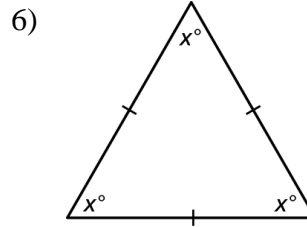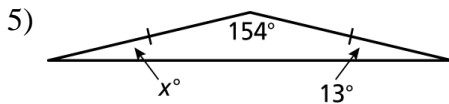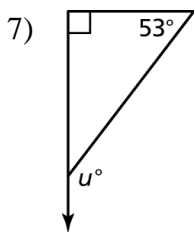
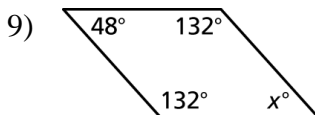

1) ∠4

2) ∠5

3) ∠8

4) ∠6

Find the measures of the missing interior angles.
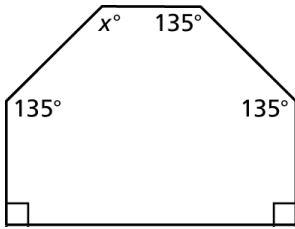
5)

6)

Find the measure of the exterior angle.

7)

8)
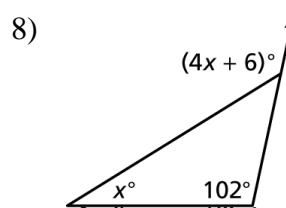
Find the measures of the interior angles of the polygon.
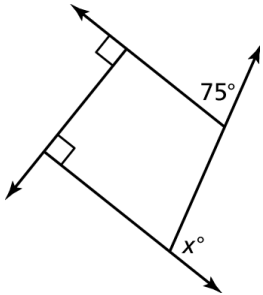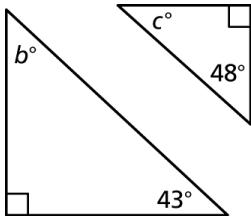
9)

10)

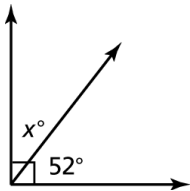Find the measures of the missing exterior angles of the polygon.

11)

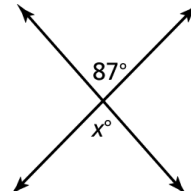Tell whether the triangles are similar. Explain.

12)

Tell whether the angles are *adjacent* or *vertical*. Then find the value of *x*.
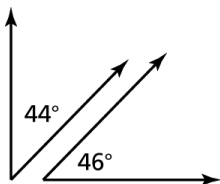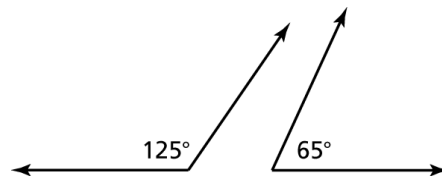
13)

14)

Tell whether the angles are *complementary*, *supplementary*, or *neither*.
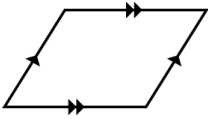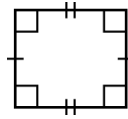
15)

16)

Classify the quadrilateral.

17)

18)

19) The scale on a map is 1 in. : 50 mi. The actual distance between two cities is 350 miles. What is the distance between the cities on the map?