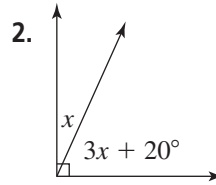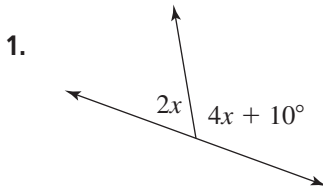# Chapter Test   Form A

Chapter 6

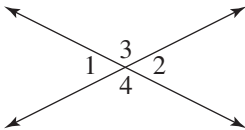**Write an equation relating the measures of the two angles and find the angle measure.**

1.

2x \ 4x + 10°

_____

_____

2.

x / 3x + 20°

_____

_____

In the diagram, $m\angle 3 = 124.8°$. Find the measure of each angle.

1 3 4 2

3. $\angle 1$

_____

_____

_____

4. $\angle 2$

_____

_____

_____

5. $\angle 4$

_____

_____

_____

Find the area of each figure.

6.

12 ft

36 ft

_____

7.

8 in.   10 in.   4 in.

_____

8.

8 m

12 m

_____

9.

12 in.   13 in.

5 in.

_____

10.

8 ft

4 ft   7 ft

14 ft

_____

11.

20 m

5 m   6 m

_____
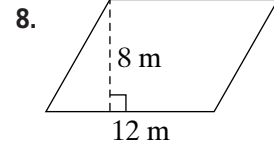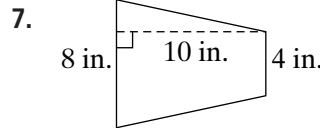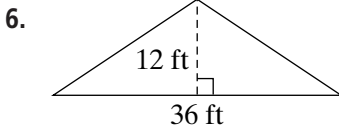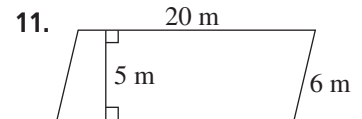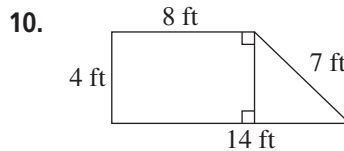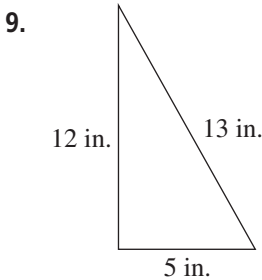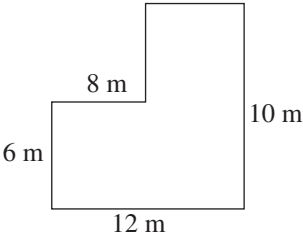
Chapter Test (continued)   Form A

Chapter 6
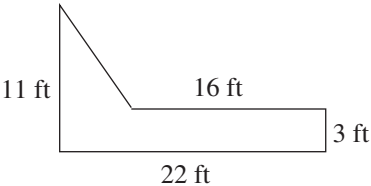
Use familiar figures to find the area of each figure.

12.

8 m

10 m

6 m

12 m

_____

13.

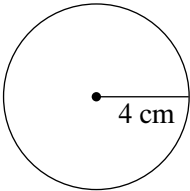11 ft   16 ft

3 ft

22 ft

_____

14.

4 in.

6 in.

_____
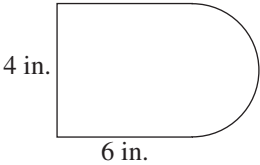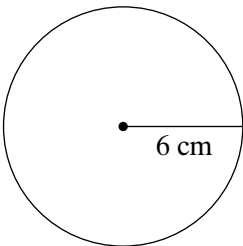
Find the circumference and area of each circle. Round to the nearest tenth.

15.

4 cm

_____

16.

6 cm

_____

17.

8 ft

_____

18.

20 m

_____