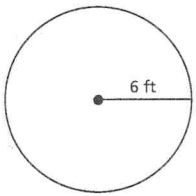
Name _____

Explore Area of Circles

12-7 PRACTICE

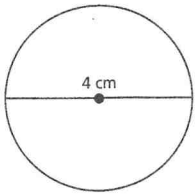
Find the approximate area of each circle. Use $\pi \approx 3.14$. Round to the nearest tenth, if necessary.

1.



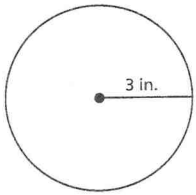
$A =$ _____

2.



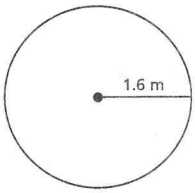
$A =$ _____

3.



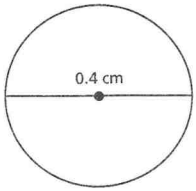
$A =$ _____

4.



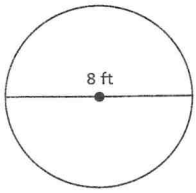
$A =$ _____

5.



$A =$ _____

6.



$A =$ _____

7. $r = 12$ in.

$A =$ _____

8. $r = 3.5$ m

$A =$ _____

9. $d = 2$ ft

$A =$ _____

10. $d = 9$ cm

$A =$ _____

11. $r = 7$ in.

$A =$ _____

12. $d = 16$ ft

$A =$ _____

Problem Solving

13. A flagpole stands in the center of a circular grassy area. It is 10 meters from the flagpole to the edge of the grass. How many square meters does the grassy area cover?

_____

14. A circle in the center of a flag has a diameter of 15 inches. What is the area of that circle?

_____