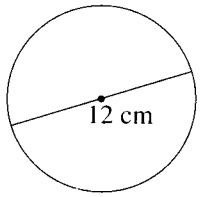
Name _____ Class _____ Date _____

Practice 8-10 Areas and Circumferences of Circles

Note: c = d * pi
a = pi * r^2
r = 1/2 * d

Use a calculator to find the circumference and area of each circle. Round your answers to the nearest hundredth.

1.



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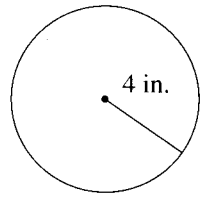
2.



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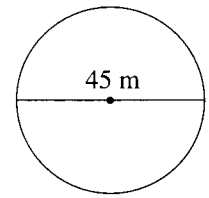
3.



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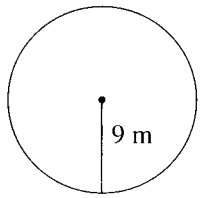
4.



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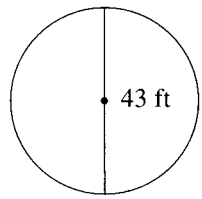
5.



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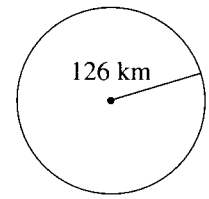
6.



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Find the circumference of a circle with the given diameter or radius. Use 3.14 for pi.

7. $d = 70$ cm

_____

8. $r = 14$ cm

_____

9. $d = 35$ in.

_____

Find the radius and the diameter of a circle with the given circumference. Round your answers to the nearest hundredth.

10. $C = 68$ cm

_____

_____

11. $C = 150$ m

_____

_____

12. $C = 218$ in.

_____

_____

13. Use the figure at the right. Find the area of the shaded region. Round your answer to the nearest hundredth.

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