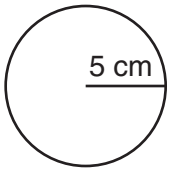
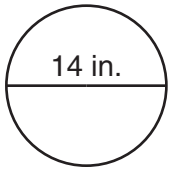
Name _____ Date _____ Class _____

SKILL 39

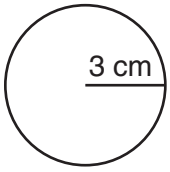
Skills Readiness

Circumference and Area of Circles

Circumference: $C = 2\pi r$ or πd	**Area:** $A = \pi r^2$
Example: Find the circumference of the circle.  $C = 2\pi r = 2\pi(5) = 10\pi$ cm	Example: Find the area of the circle.  Since the diameter is 14, the radius is $14 \div 2 = 7$. $A = \pi r^2 = \pi(7^2) = 49\pi$ in.^{2}

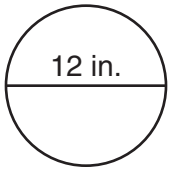
Practice on Your Own

Find the circumference and area of each circle. Give your answers in terms of π.

1. 

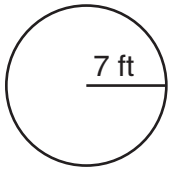
$C =$ _____

$A =$ _____

2. 

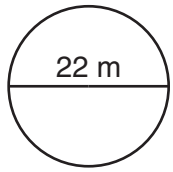
$C =$ _____

$A =$ _____

3. 

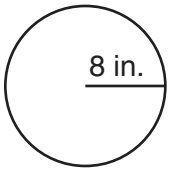
$C =$ _____

$A =$ _____

4. 

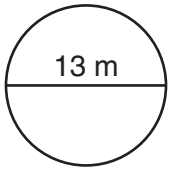
$C =$ _____

$A =$ _____

5. 

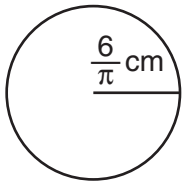
$C =$ _____

$A =$ _____

6. 

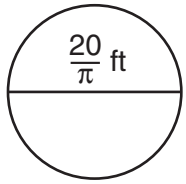
$C =$ _____

$A =$ _____

7. 

$C =$ _____

$A =$ _____

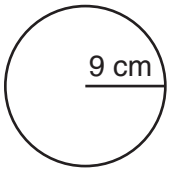
8. 

$C =$ _____

$A =$ _____

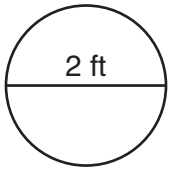
Check

Find the circumference and area of each circle. Give your answers in terms of π.

9. 

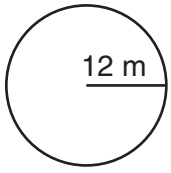
$C =$ _____

$A =$ _____

10. 

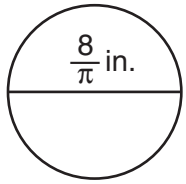
$C =$ _____

$A =$ _____

11. 

$C =$ _____

$A =$ _____

12. 

$C =$ _____

$A =$ _____

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