



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

## AFTER THIS WORKSHEET YOU CAN

- ✓ Find circumference using  $C = 2\pi r$ .    ✓ Find area using  $A = \pi r^2$ .    ✓ Relate radius and diameter.
- ✓ Use  $\pi \approx 3.14$  in calculations.

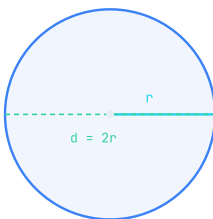


## Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$

- 1 Circumference of a circle with radius 6 ( $\pi \approx 3.14$ ):  
☐ A. 37.68   ☐ B. 18.84   ☐ C. 113.04   ☐ D. 12
- 2 Area of a circle with radius 8 ( $\pi \approx 3.14$ ):  
☐ A. 200.96   ☐ B. 50.24   ☐ C. 25.12   ☐ D. 100.48
- 3 A circle of diameter 30 has radius:  
☐ A. 15   ☐ B. 60   ☐ C. 30   ☐ D. 9.55
- 4 Area of a circle with diameter 10 ( $\pi \approx 3.14$ ):  
☐ A. 78.5   ☐ B. 31.4   ☐ C. 157   ☐ D. 314



$C = 2\pi r \cdot A = \pi r^2$



## Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- 5 The circumference of a circle is  $C =$  \_\_\_\_\_
- 6 The area of a circle is  $A =$  \_\_\_\_\_
- 7 Find the circumference of a circle with radius 6 ( $\pi \approx 3.14$ ).

- 8 Find the area of a circle with radius 8 ( $\pi \approx 3.14$ ).

- 9 A circle has diameter 30. Find its radius and circumference ( $\pi \approx 3.14$ ).



## Section C • Challenge

• CHALLENGE

$5$

- 10 Find the area of a circle with diameter 10 ( $\pi \approx 3.14$ ).

Reflection — the most useful thing I learned: \_\_\_\_\_

A \_\_\_/4   B \_\_\_/11   C \_\_\_/5   Total \_\_\_/20

Teacher's Signature \_\_\_\_\_

Parent's Signature \_\_\_\_\_

1-A    2-A    3-A    4-A    |    5  $2\pi r$     6  $\pi r^2$     7 = 37.68    8 = 200.96    9 = Radius = 15, Circumference =  
94.2    |    10 = 78.5