



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

## AFTER THIS WORKSHEET YOU CAN

- ✓ Find the surface area of a cube.    ✓ Find the surface area of a rectangular prism.  
 ✓ Find the surface area of a sphere.    ✓ Find the surface area of a cylinder.



## Section A • Concept Check

• BEGINNER

$4 \times 1 = 4$

- 1 Surface area of a cube with side 7:  
☐ A. 294   ☐ B. 343   ☐ C. 49   ☐ D. 196
- 2 Surface area of a rectangular prism with  $l=6$ ,  $w=4$ ,  $h=3$ :  
☐ A. 108   ☐ B. 72   ☐ C. 52   ☐ D. 216
- 3 Surface area of a sphere with radius 5 ( $\pi \approx 3.14$ ):  
☐ A. 314   ☐ B. 523.3   ☐ C. 78.5   ☐ D. 100
- 4 Surface area of a cylinder with radius 3, height 5 ( $\pi \approx 3.14$ ):  
☐ A. 150.72   ☐ B. 141.3   ☐ C. 94.2   ☐ D. 47.1



## Section B • Problem Solving

• INTERMEDIATE

$2 + 3 \times 3 = 11$

- 5 The surface area of a cube is  $6 \times$  \_\_\_\_\_
- 6 A cube has \_\_\_\_\_ faces.
- 7 Find the surface area of a cube with side 7.  
 \_\_\_\_\_
- 8 Find the surface area of a rectangular prism with  $l=6$ ,  $w=4$ ,  $h=3$ .  
 \_\_\_\_\_
- 9 Find the surface area of a sphere with radius 5 ( $\pi \approx 3.14$ ).  
 \_\_\_\_\_



## Section C • Challenge

• CHALLENGE

5

- 10 Find the surface area of a cylinder with radius 3, height 5 ( $\pi \approx 3.14$ ).  
 \_\_\_\_\_



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

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

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

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

ANSWER KEY — FOLD OR CUT BEFORE HANDING OUT

1-A   2-A   3-A   4-A | 5  $s^2$    6 6   7 = 294   8 = 108   9 = 314 | 10 = 150.72