

Name \_\_\_\_\_

Date \_\_\_\_\_

### Volumes of Cones, Cylinders, and Spheres - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem.

- |       |   |                                 |
|-------|---|---------------------------------|
| _____ | 1. A cylinder shaped jar has a radius of 2 cm and a height of 6 cm. What's the volume of the jar?                                       | a. $V = 826.61 \text{ cm}^3$    |
| _____ | 2. A wooden block that has a hole drilled in it. The holes measure a radius of 8 cm and a height of 10 cm. Find the volume of the hole. | b. $V = 523.33 \text{ cm}^3$    |
| _____ | 3. A 9 cm wide cross section pipe has a height of 13 cm. Calculate the volume of the pipe.  | c. $V = 75.36 \text{ cm}^3$     |
| _____ | 4. An ice cream package is cone shaped. It has a radius of 5.5 cm and a height of 17 cm. Find the volume of the ice cream cone.         | d. $V = 538.24 \text{ cm}^3$    |
| _____ | 5. A submarine has a radius of 920 meters and a height of 85 meters. Find the volume of the submarine.                                  | e. $V = 81,400 \text{ ft}^3$    |
| _____ | 6. The coned shaped room has a height of 15 ft and a radius of 72 ft. Find the volume of the room.                                      | f. $V = 2009.6 \text{ cm}^3$    |
| _____ | 7. I have a snow globe with a radius of 2 cm. Find the volume of the globe.   | g. $226,109,714.28 \text{ m}^3$ |
| _____ | 8. A rounded cup of tea has an opening shaped like a sphere. That radius is 5 cm. Find the volume of the cup.                           | h. $V = 33.49 \text{ cm}^3$     |
| _____ | 9. Assume that a balloon is spherical shaped. If you have a balloon with a radius of 3 cm, what's the volume?                           | i. $V = 113.10 \text{ cm}^3$    |

