Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_

**Roots and Cubes REVIEW**

**Directions:** Estimate the following square roots to the *nearest hundredth*. Show all of your thinking.

1. √2
2. √97

**Directions:** Simplify each cube root.

1. $\sqrt[3]{343}$
2. $\sqrt[3]{27}$
3. $\sqrt[3]{216}$

**Evaluate:**

1. The volume of a cube is 729 inches cubed. What is the length of each side of the cube?
2. The length, height, and width of a cube is 10 centimeters cubed. What is the volume of the cube?