Lesson Practice
Choose the correct answer.

1. What is the value of $\sqrt{100}$?

2. What is the value of $\sqrt[3]{27}$?

3. Solve for $y$.
   
   $y^3 = 216$

4. Between which two consecutive integers is $\sqrt[3]{11}$?

5. Solve for $x$.
   
   $x^3 = 256$

6. Between which two consecutive integers is $\sqrt[3]{200}$?
7. Which statement below is true?
   A. \( \sqrt{1} = \sqrt{1} \)
   B. \( \sqrt{2} = \sqrt{3} \)
   C. \( \sqrt{4} = \sqrt{9} \)
   D. \( \sqrt{4} = \sqrt{27} \)

8. Which statement below is true?
   A. \( \sqrt{4} = \sqrt{4} \)
   B. \( \sqrt{4} = \sqrt{27} \)
   C. \( \sqrt{16} = \sqrt{27} \)
   D. \( \sqrt{16} = \sqrt{64} \)

9. The wooden block shown below is a cube. It has a volume of 512 cubic centimeters.

   \[ \text{A. What is the length of one side, } s? (\text{Hint: the formula for the volume, } V, \text{ of a cube is } V = s^3.) \text{ Show your work.} \]

   \[ \text{B. Indira wants to paint the front face of the block. What is the area of one of the faces? Show your work.} \]