

Name: _____

Square Root/Cube Root quiz review

Find the two square roots of each number.

1. 64

2. 16

Simplify each expression. Assume the square root answers are positive for 3 - 5.

3. $-\sqrt{32 + 17}$

4. $3\sqrt{36 + 7}$

5. $5(\sqrt{49} + 3)$

6. What is the value of $x^2 = 15$?

7. What is the value of $x^3 = 20$?

8. A baseball diamond is in the shape of a square. If the area of the baseball diamond is 400 ft^2 , what is the distance around (perimeter) the bases?

9. Yesterday there were b milligrams of bacteria in a lab experiment. Today there are b^2 milligrams of bacteria. If there are 196 milligrams today, how many milligrams of bacteria were there yesterday?

10. A cube shaped railroad crate has a volume of 216 ft^3 . What is the edge of the crate?