

## Worksheet 1-8/1-9 (8.EE.2)

Find each square root. (Examples 1–4)

1.  $\sqrt{16} =$  \_\_\_\_\_

2.  $-\sqrt{484} =$  \_\_\_\_\_

3.  $\sqrt{-36} =$  \_\_\_\_\_

how  
our  
works

4.  $\sqrt{\frac{9}{49}} =$  \_\_\_\_\_

5.  $-\sqrt{2.56} =$  \_\_\_\_\_

6.  $\sqrt{-0.25} =$  \_\_\_\_\_

Solve each equation. Check your solution(s). (Example 5)

7.  $v^2 = 81$  \_\_\_\_\_

8.  $w^2 = \frac{36}{100}$  \_\_\_\_\_

9.  $0.0169 = c^2$  \_\_\_\_\_

Find each cube root. (Examples 6 and 7)

10.  $\sqrt[3]{1,728} =$  \_\_\_\_\_

11.  $\sqrt[3]{-0.125} =$  \_\_\_\_\_

12.  $\sqrt[3]{\frac{27}{125}} =$  \_\_\_\_\_

Solve each equation.

13.  $x^3 = 125$  \_\_\_\_\_

14.  $512 = y^3$  \_\_\_\_\_

15.  $k^3 = 1000$  \_\_\_\_\_

16. If you had a square blanket with an area of 196 sq. in. what would the length of one side be?

