

Solving Using Square Roots WS#2

Solve each equation by using square roots. Show all required work.

1) $n^2 = 36$

2) $n^2 = 169$

3) $m^2 = 4$

4) $x^2 = 9$

5) $x^2 = 49$

6) $x^2 = 100$

7) $n^2 = 25$

8) $x^2 = 144$

$$9) (m - 9)^2 = 64$$

$$10) (x + 11)^2 = 289$$

$$11) (v - 4)^2 = 16$$

$$12) (v + 5)^2 = 36$$

$$13) (n - 9)^2 = 1$$

$$14) (w + 7)^2 = 256$$

$$15) r^2 = 36$$

$$16) v^2 = 81$$

Answers to Solving Using Square Roots WS#2

1) $n = -6, n = 6$

5) $x = -7, x = 7$

9) $m = 1, m = 17$

13) $n = 8, n = 10$

2) $n = -13, n = 13$

6) $x = -10, x = 10$

10) $x = -28, x = 6$

14) $w = -23, w = 9$

3) $m = -2, m = 2$

7) $n = -5, n = 5$

11) $v = 0, v = 8$

15) $\{6, -6\}$

4) $x = -3, x = 3$

8) $x = -12, x = 12$

12) $v = -11, v = 1$

16) $\{9, -9\}$