



Solving Quadratic Equations

Name _____

Score _____

SQ:12

Solve each quadratic equation by square root property.

1) $(y + 3)^2 - 9 = 0$

2) $2t^2 - 50 = 0$

3) $k^2 + 49 = 0$

4) $16q^2 + 1 = 2$

5) $7g^2 - 63 = 0$

6) $n^2 - 32 = 0$

7) $4m^2 - 25 = 0$

8) $(x - 6)^2 + 64 = 0$



Solving Quadratic Equations

Name _____

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Answer key

SQ:12

Solve each quadratic equation by square root property.

1) $(y + 3)^2 - 9 = 0$

$y = -6$ and $y = 0$

2) $2t^2 - 50 = 0$

$t = \pm 5$

3) $k^2 + 49 = 0$

$k = \pm 7i$

4) $16q^2 + 1 = 2$

$q = \pm \frac{1}{4}$

5) $7g^2 - 63 = 0$

$g = \pm 3$

6) $n^2 - 32 = 0$

$n = \pm 4\sqrt{2}$

7) $4m^2 - 25 = 0$

$m = \pm \frac{5}{2}$

8) $(x - 6)^2 + 64 = 0$

$x = 6 \pm 8i$