

Name : _____

Square Root Property

L1S1

Solve each quadratic equation by using square root property.

1) $n^2 - 12 = 0$

2) $p^2 = -36$

3) $(k - 6)^2 = 49$

4) $r^2 - 32 = 0$

5) $u^2 = 64$

6) $(h + 1)^2 = 16$

7) $(y + 2)^2 = -9$

8) $m^2 + 63 = 0$

9) $w^2 + 72 = 0$

10) $q^2 - 25 = 0$

Name : _____

Answer key

Square Root Property

L1S1

Solve each quadratic equation by using square root property.

1) $n^2 - 12 = 0$

$n = \pm 2\sqrt{3}$

2) $p^2 = -36$

$p = \pm 6i$

3) $(k - 6)^2 = 49$

$k = -1 ; k = 13$

4) $r^2 - 32 = 0$

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

5) $u^2 = 64$

$u = \pm 8$

6) $(h + 1)^2 = 16$

$h = -5 ; h = 3$

7) $(y + 2)^2 = -9$

$y = -2 \pm 3i$

8) $m^2 + 63 = 0$

$m = \pm 3\sqrt{7}i$

9) $w^2 + 72 = 0$

$w = \pm 6\sqrt{2}i$

10) $q^2 - 25 = 0$

$q = \pm 5$