

Name : _____

Square Root Property

L2S1

Solve each quadratic equation by using square root property.

1) $v^2 + 32 = -12$

2) $\frac{g-7}{4} = \frac{2}{g-7}$

3) $s^2 + 8s +$

PREVIEW

$\frac{1}{2} = \frac{3}{4}$

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5) $\frac{x+8}{6x} =$

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7) $(k+9)^2 = 64$

8) $t^2 + 7t + 49 = 28 - 7t$

Name : _____

Answer key

Square Root Property

L2S1

Solve each quadratic equation by using square root property.

1) $v^2 + 32 = -12$

2) $\frac{g-7}{4} = \frac{2}{g-7}$

$v = \pm 2\sqrt{11}$

$g = 7 \pm 2\sqrt{2}$

3) $s^2 + 8s +$

PREVIEW

$\frac{1}{2} = \frac{3}{4}$

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$s = -6 \pm 3$

$= -\frac{11}{2}$

5) $\frac{x+8}{6x} =$

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$x = \pm 4$

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7) $(k+9)^2 = 64$

8) $t^2 + 7t + 49 = 28 - 7t$

$k = -17 ; k = -1$

$t = -7 \pm 2\sqrt{7}$