

Name : \_\_\_\_\_

## Square Root Property

L2S3

Solve each quadratic equation by using square root property.

1)  $(h - 13)^2 = 25$

2)  $(k + 3)^2 - \frac{1}{2} = \frac{7}{4}$

3)  $d^2 + 52 =$

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$\frac{4}{1-8}$

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5)  $\frac{t}{3t - 7} =$

$6 = -25 - 2n$

7)  $u^2 - 18u + 81 = 75$

8)  $g^2 - 42 = 30$

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## Answer key

# Square Root Property

L2S3

Solve each quadratic equation by using square root property.

1)  $(h - 13)^2 = 25$

$h = 8; h = 18$

2)  $(k + 3)^2 - \frac{1}{2} = \frac{7}{4}$

$k = 9; k = -\frac{3}{2}$

3)  $d^2 + 52 =$

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5)  $\frac{t}{3t - 7} =$

$d = \pm 4\sqrt{6}$

$t = \pm 7i$

7)  $u^2 - 18u + 81 = 75$

$u = 9 \pm 5\sqrt{3}$

8)  $g^2 - 42 = 30$

$g = \pm 6\sqrt{2}$