

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

## Solving Quadratic Equations

ES3

Solve each quadratic equation using quadratic formula.

1)  $-29z = -z^2$

2)  $h^2 + 13h = -40$

3)  $6m^2 - 8m - 2 = 0$

$h^2 - 2 = 0$

5)  $15x^2 + 2x - 1 = 0$

$h^2 = 89n$

7)  $g^2 = 16$

$h^2 = -2y$

9)  $k^2 - 5k = 0$

10)  $30v^2 - 37v = -10$

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## Answer key

# Solving Quadratic Equations

ES3

Solve each quadratic equation using quadratic formula.

1)  $-29z = -z^2$

$z = 0 ; z = 29$

2)  $h^2 + 13h = -40$

$h = -8 ; h = -5$

3)  $6m^2 - 8m - 2 = 0$

$m = -2 ;$

5)  $15x^2 + 2x - 1 = 0$

$x = -\frac{1}{3} ;$

7)  $g^2 = 16$

$g = \pm 4$

9)  $k^2 - 5k = 0$

$k = 0 ; k = 5$

10)  $30v^2 - 37v = -10$

$v = \frac{2}{5} ; v = \frac{5}{6}$

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