



## Quadratic Formula

Name \_\_\_\_\_

Score \_\_\_\_\_

SQ:15

Solve each equation by using quadratic formula.

1)  $m^2 - 25 = 0$

2)  $6t^2 + 15t - 2 = 0$

3)  $q^2 - q - 30 = 0$

4)  $8u^2 - 10u + 3 = 0$

5)  $4w^2 - 4w + 1 = 0$

6)  $7h^2 - 10h + 1 = 0$

7)  $(x - 4)^2 + 9 = 0$

8)  $3y^2 - 2y - 4 = 0$



# Quadratic Formula

## Answer key

Name \_\_\_\_\_

Score \_\_\_\_\_

SQ:15

Solve each equation by using quadratic formula.

1)  $m^2 - 25 = 0$

$m = \pm 5$

2)  $6t^2 + 15t - 2 = 0$

$t = \frac{15 \pm \sqrt{273}}{12}$

3)  $q^2 - q - 30 = 0$

$q = -5$  and  $q = 6$

4)  $8u^2 - 10u + 3 = 0$

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

5)  $4w^2 - 4w + 1 = 0$

$w = \frac{1}{2}$

6)  $7h^2 - 10h + 1 = 0$

$h = \frac{-5 \pm 3\sqrt{2}}{7}$

7)  $(x - 4)^2 + 9 = 0$

$x = 4 \pm 3i$

8)  $3y^2 - 2y - 4 = 0$

$y = \frac{-1 \pm \sqrt{13}}{3}$