



Solving Quadratic Equations

Name _____

Score _____

SQ:05

Solve each quadratic equation by factoring.

1) $k^2 + 12k = 36$

2) $g^2 - 14g + 24 = 0$

3) $u^2 + 7u - 30 = 0$

4) $t^2 + 13t + 36 = 0$

5) $m^2 - 20m + 19 = 0$

6) $y^2 - 4y - 91 = 0$

7) $y(y - 3) = 88$

8) $x^2 + 14x - 15 = 0$



Solving Quadratic Equations

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Answer key

SQ:05

Solve each quadratic equation by factoring.

1) $k^2 + 12k = 36$

$k = -6$ and $k = -6$

2) $g^2 - 14g + 24 = 0$

$g = 2$ and $g = 12$

3) $u^2 + 7u - 30 = 0$

$u = 3$ and $u = -10$

4) $t^2 + 13t + 36 = 0$

$t = -4$ and $t = -9$

5) $m^2 - 20m + 19 = 0$

$m = 19$ and $m = 1$

6) $y^2 - 4y - 91 = 0$

$y = -7$ and $y = 13$

7) $y(y - 3) = 88$

$q = -8$ and $y = 11$

8) $x^2 + 14x - 15 = 0$

$x = 1$ and $x = -15$