



Solving Quadratic Equations

Name _____

Score _____

SQ:04

Solve each quadratic equation by factoring.

1) $n^2 - 11n + 18 = 0$

2) $v^2 + 15v + 50 = 0$

3) $x^2 + 4x - 45 = 0$

4) $z^2 - 21m + 20 = 0$

5) $u(u + 20) = -99$

6) $p^2 + 7p - 8 = 0$

7) $y^2 - 5y - 150 = 0$

8) $m(m - 2) = 24$



Solving Quadratic Equations

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Answer key

SQ:04

Solve each quadratic equation by factoring.

1) $n^2 - 11n + 18 = 0$

$n = 2$ and $n = 9$

2) $v^2 + 15v + 50 = 0$

$v = -5$ and $v = -10$

3) $x^2 + 4x - 45 = 0$

$x = -9$ and $x = 5$

4) $z^2 - 21z + 20 = 0$

$z = 20$ and $z = 1$

5) $u(u + 20) = -99$

$u = -9$ and $u = -11$

6) $p^2 + 7p - 8 = 0$

$p = 1$ and $p = -8$

7) $y^2 - 5y - 150 = 0$

$y = 15$ and $y = -10$

8) $m(m - 2) = 24$

$m = -4$ and $m = 6$