



Solving Quadratic Equations

Name _____

Score _____

SQ:08

Solve each quadratic equation by factoring.

1) $2n^2 + 9n - 18 = 0$

2) $16y^2 - 54y + 35 = 0$

3) $5u^2 - u - 4 = 0$

4) $7t^2 - 42 = 43t$

5) $12x^2 + 25x + 12 = 0$

6) $9v^2 + 26v = 3$

7) $m(6m - 5) = -1$

8) $10z^2 + 17z + 35 = 0$



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Solve each quadratic equation by factoring.

1) $2n^2 + 9n - 18 = 0$

$n = \frac{3}{2}$ and $n = -6$

2) $16y^2 - 54y + 35 = 0$

$y = \frac{7}{8}$ and $y = \frac{5}{2}$

3) $5u^2 - u - 4 = 0$

$u = -\frac{4}{5}$ and $u = 1$

4) $7t^2 - 42 = 43t$

$t = 7$ and $t = -\frac{6}{7}$

5) $12x^2 + 25x + 12 = 0$

$x = -\frac{3}{4}$ and $x = -\frac{4}{3}$

6) $9v^2 + 26v = 3$

$v = -3$ and $v = \frac{1}{9}$

7) $m(6m - 5) = -1$

$m = \frac{1}{3}$ and $m = \frac{1}{2}$

8) $10z^2 + 17z + 35 = 0$

$z = -5$ and $z = -\frac{7}{10}$