



Solving Quadratic Equations

Name _____

Score _____

SQ:03

Solve each quadratic equation by zero product property.

1) $(2n - 3)(3n - 2) = 0$

2) $(x - 3)(x + 8) = 0$

3) $(m + 1)(4m - 1) = 0$

4) $(p - 2)(p - 7) = 0$

5) $(5z + 3)(z + 4) = 0$

6) $(g + 6)(n - 6) = 0$

7) $(v - 5)(v + 15) = 0$

8) $(3y + 7)(7y + 10) = 0$



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Answer key

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Solve each quadratic equation by zero product property.

1) $(2n - 3)(3n - 2) = 0$

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

2) $(x - 3)(x + 8) = 0$

$x = 3$ and $x = -8$

3) $(m + 1)(4m - 1) = 0$

$m = -1$ and $m = \frac{1}{4}$

4) $(p - 2)(p - 7) = 0$

$p = 2$ and $p = 7$

5) $(5z + 3)(z + 4) = 0$

$z = -\frac{3}{5}$ and $z = -4$

6) $(g + 6)(n - 6) = 0$

$g = -6$ and $g = 6$

7) $(v - 5)(v + 15) = 0$

$v = 5$ and $v = -15$

8) $(3y + 7)(7y + 10) = 0$

$y = -\frac{7}{3}$ and $y = -\frac{10}{7}$