

Name : _____

Zero Product Property

Sheet 1

Solve each quadratic equation using zero product property.

1) $(2x - 1)(3x + 4) = 0$

2) $(m - 5)(m - 2) = 0$

3) $(z - 7)(z - 3) = 0$

5) $(5r - 9)(4r + 35) = 0$

7) $(8q - 3)(q - 5) = 0$

9) $(10v + 5)(11v - 44) = 0$

10) $(7y + 4)(6y + 1) = 0$

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Zero Product Property

Solve each quadratic equation using zero product property.

1) $(2x - 1)(3x + 4) = 0$

2) $(m - 5)(m - 2) = 0$

$x = -\frac{4}{3}; x = \frac{1}{2}$

$m = 2; m = 5$

3) $(z - 7)(z - 3)(p + 3) = 0$

$z = -2; z = 3$

$p = 3$

5) $(5r - 9)(4r + 35) = 0$

$r = \frac{3}{2}; r = -\frac{35}{4}$

$r = -4$

7) $(8q - 3)(q - 5) = 0$

$q = \frac{3}{8}; q = 5$

$t = -\frac{4}{4}; t = \frac{5}{2}$

9) $(10v + 5)(11v - 44) = 0$

10) $(7y + 4)(6y + 1) = 0$

$v = -\frac{1}{2}; v = 4$

$y = -\frac{4}{7}; y = -\frac{1}{6}$

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