

Name : _____

Zero Product Property

Sheet 3

Solve each quadratic equation using zero product property.

1) $(4d - 7)(8d - 16) = 0$

2) $(5p - 6)(3p + 15) = 0$

3) $(9x + 2)(12t - 24) = 0$

5) $(11h - 55)(g - 36) = 0$

7) $(5v - 5)(r - 1) = 0$

9) $(3z + 10)(4z + 5) = 0$

10) $(u - 4)(u - 8) = 0$

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Zero Product Property

Solve each quadratic equation using zero product property.

1) $(4d - 7)(8d - 16) = 0$

$d = \frac{7}{4}; d = 2$

2) $(5p - 6)(3p + 15) = 0$

$p = -5; p = \frac{6}{5}$

3) $(9x + 2)(12t - 24) = 0$

$x = -\frac{2}{9};$

$t = 2$

5) $(11h - 55)(g - 36) = 0$

$h = -5; h = 5$

$g = 36$

7) $(5v - 5)(8r - 1) = 0$

$v = -\frac{7}{8}; v = 1$

$r = -\frac{1}{8}; r = \frac{1}{10}$

9) $(3z + 10)(4z + 5) = 0$

$z = -\frac{10}{3}; z = -\frac{5}{4}$

10) $(u - 4)(u - 8) = 0$

$u = 4; u = 8$

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