

Name : \_\_\_\_\_

## Zero Product Property

Sheet 2

Solve each quadratic equation using zero product property.

1)  $(10w + 20)(9w - 45) = 0$

2)  $(7k + 4)(4k + 9) = 0$

3)  $(3h - 12)$

$(6m - 48) = 0$

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5)  $(10y + 4)$

$(-5) = 0$

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7)  $(u - 2)(6t$

$g - 9) = 0$

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9)  $(7s + 8)(8s - 3) = 0$

10)  $(5d - 7)(2d + 4) = 0$

**Zero Product Property**

Solve each quadratic equation using zero product property.

1)  $(10w + 20)(9w - 45) = 0$

2)  $(7k + 4)(4k + 9) = 0$

$w = -2; w = 5$

$k = -\frac{9}{4}; k = -\frac{4}{7}$

3)  $(3h - 12)$

$(6m - 48) = 0$

$h = -\frac{8}{5};$

$m = 8$

5)  $(10y + 4)$

$(n - 5) = 0$

$y = -\frac{1}{2};$

$n = \frac{5}{3}$

7)  $(u - 2)(6u$

$(g - 9) = 0$

$u = 2; u = 5$

$g = -5; g = \frac{9}{7}$

9)  $(7s + 8)(8s - 3) = 0$

10)  $(5d - 7)(2d + 4) = 0$

$s = -\frac{8}{7}; s = \frac{3}{8}$

$d = -2; d = \frac{7}{5}$

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