

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

## Quadratic Equation | Factoring

MS1

Solve each quadratic equation using factoring.

1)  $6n^2 = 14n - 4$

2)  $2p^2 + 2p - 12 = -2p^2$

3)  $14u^2 + 3u = 2 - 8t^2$

5)  $g - 6 = -5$   $4z$

7)  $q^2 - 6q =$  )

9)  $-7x^2 - 5 = -2x - 10$

10)  $3y^2 + 5y + 4 = 2$

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**Quadratic Equation | Factoring**

Solve each quadratic equation using factoring.

1)  $6n^2 = 14n - 4$

2)  $2p^2 + 2p - 12 = -2p^2$

$n = \frac{1}{3}; n = 2$

$p = -2; p = \frac{3}{2}$

3)  $14u^2 + 3u = 2 - 8t^2$

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

5)  $g - 6 = -5$

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

7)  $q^2 - 6q =$

$q = 3 \pm \sqrt{2}$

$w = \pm 4$

9)  $-7x^2 - 5 = -2x - 10$

10)  $3y^2 + 5y + 4 = 2$

$x = -\frac{5}{7}; x = 1$

$y = -1; y = -\frac{2}{3}$

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