

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

## Quadratic Equation | Factoring

ES2

Solve each quadratic equation using factoring.

1)  $q^2 + 20 = -9q$

2)  $n^2 - 4 = 0$

3)  $m(m - 1) \dots 26 = 0$

5)  $k^2 + 3k \dots 20$

7)  $p^2 + 5p \dots 90$

9)  $d^2 + 88 = 19d$

10)  $x^2 + 4x - 21 = 0$

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**Quadratic Equation | Factoring**

Solve each quadratic equation using factoring.

1)  $q^2 + 20 = -9q$

**$q = -5 ; q = -4$**

2)  $n^2 - 4 = 0$

**$n = \pm 2$**

3)  $m(m - 1) - 6 = 0$

**$m = 6 ; m = -2$**

5)  $k^2 + 3k - 20 = 0$

**$k = -3 ; k = 4$**

7)  $p^2 + 5p - 90 = 0$

**$p = -6 ; p = 15$**

9)  $d^2 + 88 = 19d$

**$d = 8 ; d = 11$**

10)  $x^2 + 4x - 21 = 0$

**$x = -7 ; x = 3$**

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