

## Solving by Factoring

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation by factoring.**

1)  $x^2 + 4x + 3 = 0$

2)  $x^2 + 3x - 40 = 0$

3)  $n^2 - 4n - 12 = 0$

4)  $k^2 - 9k + 18 = 0$

5)  $x^2 + 14x + 43 = -5$

6)  $p^2 - 12p + 26 = -6$

7)  $x^2 - 2x - 42 = -7$

8)  $x^2 + x - 53 = 3$

9)  $p^2 - 14 = -5p$

10)  $x^2 + 42 = -13x$

## Answers to Solving by Factoring (ID: 1)

1)  $\{-3, -1\}$

5)  $\{-8, -6\}$

9)  $\{-7, 2\}$

2)  $\{-8, 5\}$

6)  $\{4, 8\}$

10)  $\{-7, -6\}$

3)  $\{-2, 6\}$

7)  $\{-5, 7\}$

4)  $\{6, 3\}$

8)  $\{7, -8\}$