

## Solving by Factoring Practice

**Solve each equation.**

1)  $x(x - 4) = 0$

2)  $(x - 3)(x + 5) = 0$

3)  $(7x - 1)(3x + 1) = 0$

4)  $(x + 1)(x - 1) = 0$

**Factor using GCF. Then solve.**

5)  $x^2 + 6x = 0$

6)  $7x^2 - 21x = 0$

**Factor using DOTS. Then solve.**

7)  $x^2 - 25 = 0$

8)  $64x^2 - 49 = 0$

**Solve each equation by factoring.**

9)  $x^2 + 7x + 10 = 0$

10)  $x^2 - 10x + 24 = 0$

11)  $x^2 - x - 20 = 0$

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

**Solve each equation by factoring (Bottoms Up).**

13)  $7x^2 + 15x + 8 = 0$

14)  $3x^2 - 7x + 4 = 0$

15)  $5x^2 - 19x - 4 = 0$

16)  $2x^2 + 3x - 5 = 0$