

# Factoring Polynomials Worksheet

**Factor each completely.**

1)  $y = x^2 + 6x + 8$

2)  $y = x^2 + 3x + 2$

3)  $y = x^2 - 4$

4)  $y = x^2 - x - 12$

5)  $y = x^2 - 1$

6)  $y = x^2 + 3x - 10$

7)  $y = x^2 - 4x - 5$

8)  $y = x^2 - 2x - 15$

9)  $y = 3x^2 - 11x - 20$

10)  $y = 5x^2 - 18x + 9$

11)  $y = 2x^2 + 9x + 10$

12)  $8x^2 + 89x + 90$

13)  $6x^2 + 17x - 10$

14)  $4x^2 + 37x + 40$