

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

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

## Factoring Trinomials 9 – Factor Out, and Factor

### Factor Completely

1.  $3x^2 + 12x + 9$

2.  $x^3 + x^2 - 12x$

3.  $x^2y + xy - 2y$

4.  $-2x^2 - 12x - 16$

5.  $10x^2 - 10$

6.  $2x^3 - 8x^2 - 24x$

7.  $x^4 - 4x^3 - 32x^2$

8.  $5x^2 - 25x + 30$

9.  $-2x^3 - 22x^2 - 48x$

10.  $x^2yz - 16yz$

11.  $-x^2 - x + 6$

12.  $4x^4 - 20x^3 + 16x^2$