

Name: _____

Period: _____ Date: _____

Factoring Trinomials 11 – Factor by Grouping

Section I. Factor Completely

1. $x^2 + 3x - 2xy - 6y$

2. $-5y^2 + 5y + xy - x$

3. $6x^3 - 2x^2 + 9x - 3$

4. $x^4 - 2x^3 + 3x - 6$

5. $a^2 - 6ab - 3ac + 18bc$

6. $5j^3 - 2j^2 + 25j - 10$

7. $8k^3 - 64k^2 + k - 8$

8. $pq + 5q - 5q^2 - p$

9. $3f - 12 + fg - 4g$

10. $3w^3 - 6w + 2w^2 - 4$

11. $3a^3 + 6a^2b - a^2b - 2ab^2$

12. $7m^2 - 6n^2 + 21mn - 2mn$