

Name: _____

Unit 7: Polynomials & Factoring



Date: _____ Bell: _____

Homework 8: Factoring Trinomials ($ax^2 + bx + c$)

Directions: Factor each polynomial. Check your answer by distributing.

1. $2x^2 + 5x + 2$

2. $3n^2 + 5n + 2$

3. $2y^2 + 9y - 5$

4. $3g^2 - 7g + 2$

5. $2k^2 - 11k + 15$

6. $9p^2 + 6p - 8$

7. $6m^2 - 13m + 6$

8. $3c^2 + 2c - 16$

9. $4b^2 + 12b + 9$

Directions: Factor each polynomial. Look for a GCF first.

10. $8x^2 - 2x - 10$

11. $6a^2 + 9a - 27$

12. $60x^2 + 4x - 8$

13. $16x^2 - 24x + 8$

14. $20x^2 + 55x + 30$

15. $10x^2 - 32x + 24$