

Name: _____

Unit 7: Polynomials & Factoring



Date: _____ Bell: _____

Homework 4: Factoring Trinomials ($x^2 + bx + c$)**Directions:** Factor each polynomial. Check your answers by FOIL.

1. $x^2 + 5x + 6$

2. $a^2 + 11a + 30$

3. $m^2 + 18m + 56$

4. $w^2 + 4w + 4$

5. $y^2 + 9y + 8$

6. $k^2 + 17k + 66$

7. $y^2 - 6y + 8$

8. $x^2 - 11x + 28$

9. $n^2 - n - 90$

10. $p^2 - 14p + 40$

11. $x^2 + 3x - 70$

12. $w^2 - 12w + 36$

13. $m^2 + 5m - 6$

14. $b^2 - 15b + 56$

15. $x^2 - 10x - 39$

16. $a^2 + 11ab + 18b^2$

17. $x^2 - 14xy - 51y^2$

18. $m^2 - 8mm + 7n^2$

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

19. $2k^3 - 8k - 90$

20. $x^3 + 2x^2 - 48x$

21. $4w^2 - 52w - 120$

22. $2x^2 + 10x + 8$

23. $3y^2 + 24y + 48$

24. $5m^3 + 30m^2 - 35m$

Unit 7 Polynomials And Factoring Homework 4

J Spring



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