

Factoring Trinomials - Various A Values, Day 2

Date _____ Period _____

FACTORIZING REVIEW: GCF and Difference of Squares

1) $7a^3 - 14a^2$

2) $-80p^4 + 50p$

3) $m^2 - 25$

4) $8x^2 - 2$

5) $9r^4 - 25$

6) $8x^4 - 18$

CLASS EXAMPLES: Factor each completely.

7) $3x^2 + 14x + 15$

8) $5x^2 - 3x - 2$

9) $3n^2 + 21n + 30$

10) $24r^2 - 92r + 80$

Factor each completely.

11) $7x^2 - 43x + 6$

12) $5x^2 - 13x - 6$

13) $3v^2 + 2v - 1$

14) $4n^2 + 23n + 15$

15) $4x^2 - 21x - 18$

16) $4n^2 + 17n + 15$

17) $7x^2 - 12x + 5$

18) $3r^2 + 5r - 28$

$$19) 6a^2 + 25a + 21$$

$$20) 4x^2 - 11x + 6$$

Factor each completely. (Don't forget to check for GCF's!)

$$21) 8v^2 - 16v - 10$$

$$22) 8n^2 + 30n - 50$$

$$23) 12b^2 - 24b + 9$$

$$24) 8x^2 + 22x - 40$$

$$25) 12x^2 + 15x + 3$$

$$26) 8p^2 - 30p - 50$$

Answers to Factoring Trinomials - Various A Values, Day 2

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|------------------------|-----------------------|---------------------------|-------------------------|
| 1) $7a^2(a - 2)$ | 3) $(m + 5)(m - 5)$ | 5) $(3r^2 + 5)(3r^2 - 5)$ | 7) $(3x + 5)(x + 3)$ |
| 9) $3(n + 5)(n + 2)$ | 11) $(7x - 1)(x - 6)$ | 13) $(3v - 1)(v + 1)$ | 15) $(x - 6)(4x + 3)$ |
| 17) $(7x - 5)(x - 1)$ | 19) $(a + 3)(6a + 7)$ | 21) $2(2v + 1)(2v - 5)$ | 23) $3(2b - 3)(2b - 1)$ |
| 25) $3(x + 1)(4x + 1)$ | | | |