

Factoring- *Remember to look for GCF first*

Date _____ Period _____

Difference of Squares:

1) $16x^2 - 9$

2) $16n^2 - 1$

Grouping:

3) $9b^3 - 12b^2 + 6b - 8$

4) $9b^3 + 3b^2 + 12b + 4$

5) $10k^3 + 4k^2 + 25k + 10$

6) $4x^3 + 12x^2 + 3x + 9$

Trinomials where a=1:

7) $n^2 + 2n - 3$

8) $v^2 + 12v + 20$

9) $r^2 - 11r + 30$

10) $n^2 + 14n + 45$

11) $n^2 + 3n - 70$

12) $a^2 + 10a + 21$

Trinomials where a doesn't = 1:

13) $3r^3 - 28r^2 - 20r$

14) $7v^2 - 8v - 12$

15) $9m^4 - 75m^3 + 150m^2$

16) $7x^3 + 20x^2 + 12x$

17) $10x^3 + 46x^2 - 84x$

18) $7m^2 + 17m + 10$