

Factoring Review #2

Name: _____

factoring review NO WORK-NO CREDIT name:

PERIOD: _____ DATE: _____

Date: _____

Factor completely.

1) $n^2 - 11n + 28$	2. $a^2 - 14ab - 32b^2$	3. $3x^2 - 10x + 7$
4) $4x^2 + 7a - 15$	5. $2y^2 - 17y + 35$	6. $25m^2 - 100p^2$
7) $5x^3 - 40x^2 + 60x$	8. $16x^4 - 1$	9. $64m^2 - 25p^2$
10) $64m^2 + 25p^2$	11. $x^4 + 3x^2 + 2$	12. $2x^3 - 5x^2 + 18x - 45$
13) $m^3 + m^2n + mn^2 + n^3$	14. $cd^2 - 4d^2 + 3c - 12$	15. $9a^2 - 30a + 25$
16) $32x^3y^2z^2 + 4y^3z^2$	17. $32m^6 - 2m^2$	18. $6m^5 - 51m^3 - 27m$

Review: Factoring by Grouping

1. $x^3 + x^2 + x + 1$

2. $10x^3 + 20x^2 + x + 2$

3. $x^3 + 3x^2 + 10x + 30$

4. $x^3 - 2x^2 + 4x - 8$

5. $2x^3 - 5x^2 + 18x - 45$

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

7. $3x^3 - 6x^2 + x - 2$

8. $2x^3 - x^2 + 2x - 1$

Review: Factor Polynomials...Completely!

9) $16x^4 - 1$

10) $x^4 + 3x^2 + 2$

11) $32x^6 - 2x^2$

12) $6x^5 - 51x^3 - 27x$

13) $4x^4 - 5x^2 - 9$

14) $81 - 16x^4$