

Name: _____

Unit : Polynomials & Factoring



Date: _____ Bell: _____

Homework 5: Factoring Polynomials: GCF

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

1. $7x + 49$

2. $8m - 6$

3. $5a^2 - 15$

4. $12c^2 - 20d^2$

5. $64 - 40ab$

6. $36a^2 + 24a$

7. $18x^4 - 12x^2$

8. $12ab^3 + 20b$

9. $10x^2 + 5x$

10. $14x - 21x^2$

11. $81m + 48mn$

12. $8ab - 56a$

13. $a^2b^2 + a$

14. $x^3y^2 + x^2y + x$

15. $15xy + 30x^2y^2$

16. $36ab^2 - 48a^2b$

17. $30x^3y + 35x^2y^3$

18. $9r^3s^2 - 30rs^3$

19. $75x^2y^3 + 60xy^3$

20. $5a^2b^2 + 10ab + 25a$

21. $10x^3y^2 - 2xy^2 + 14xy$

22. $8m^2n^2 - 24mn^3 + 16mn$

23. $9xz^3 + 18yz^2 + 24z^2$

24. $16x^6y + 16x^2y^4 + 32x^3y^2$