

FACTORING #1
Greatest Common Factor

NAME _____

Factor each of the following by using the GCF of each. Please write PRIME if it cannot be factored.

1. $21a^3 - 14a^2$

2. $9x^2 + 36x$

3. $10a - 35b + 15$

4. $8p - 4q + 12$

5. $9x - 6y + 36$

6. $3a^3 + 6a^2 - 12a$

7. $5y^3 - 10y^2 + 15y$

8. $8ab^2 - 12a^2b$

9. $6y^3 - 24y^2 - 12y$

10. $4x^3 + 32x$

11. $21c^3 - 14c$

12. $16x - 12y + 24$

13. $3x - 6y + 12$

14. $3x - 8y + 12$

15. $15a - 20b + 10$

16. $10x^3 - 5x^2 + 20x$

17. $18x^3 - 6x^2 + 24x$

18. $3a^2b^2 + 18ab$

19. $20y^4 + 35y^3 + 15y^2$

20. $6x^5 - 4x^3 + 8x$