

CP Blizzard Bag #1 Factoring Practice

Factor the following expressions into the simplest form using GCF, Grouping, or other methods!

1. $6x^2 + 3x$

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

3. $x^2 - 9$

4. $x^2 + 5x + 6$

5. $x^2 + 4x + 4$

6. $x^2 + 7x + 12$

7. $25x^2 - 49$

8. $x^2 - 81$

9. $3x^2 - 27$

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

11. $x^2 - x - 20$

12. $4x^2 - 16y^2$

Solve the following Equations by factoring!

13. $x^2 - 81 = 0$

14. $5x^2 - 25x = 0$

15. $x^2 + 7x + 12 = 0$

16. $x^2 - 9 = 0$

17. $x^3 - 125x$

18. $x^2 + 4x + 4 = 25$

19. $x^2 + 6x + 9 = 16$

20. $x^3 - 27 = 0$