

FACTORING TRINOMIALS DAY 1

What does the word "factor" mean?

Factor 24 in several ways. Then list all the factors of 24 that are whole numbers.

Factor completely and show that your answer does check:

1. $x^2 + 6x + 8$

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

3. $x^2 + 8x + 12$

4. $x^2 + 7x + 10$

s. $x^2 + 9x + 14$

6. $x^2 + 10x + 24$

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

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

9. $x^2 + 3x + 2$

10. $x^2 + 4x + 4$

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

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

13. $x^2 + 8x + 12$

14. $x^2 + 13x + 12$

15. $x^2 + 9x + 8$

16. Find all numbers for the letter C such that $x^2 + 6x + C$ can be factored.

17. Find one trinomial that cannot be factored.