

Name: _____
Algebra 2

Date: _____

Band: _____

Factoring $x^2 + bx + c$ Homework

1. You are factoring $x^2 + 11x - 26$. What do the signs of the terms tell you about the factors? Explain.

Factor the polynomial.

2. $x^2 + 8x + 7$

3. $z^2 + 10z + 21$

4. $n^2 + 9n + 20$

5. $s^2 + 11s + 30$

6. $h^2 + 11h + 18$

7. $y^2 + 13y + 40$

8. $v^2 - 5v + 4$

9. $x^2 - 13x + 22$

10. $d^2 - 5d + 6$

11. $k^2 - 10k + 24$

12. $w^2 - 17w + 72$

13. $j^2 - 13j + 42$

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

15. $z^2 + 7z - 18$

16. $n^2 + 4n - 12$

17. $s^2 + 3s - 40$

18. $y^2 + 2y - 48$

19. $h^2 + 6h - 27$

20. $x^2 - x - 20$

21. $m^2 - 6m - 7$

22. $-6t - 16 + t^2$

23. $-7y + y^2 - 30$