

NAME _____

DATE _____

Module 12 Simplifying Algebraic Expressions by
Factoring Polynomials
Lesson 4 Factoring $x^2 + bx + c$



**additional
practice**

Factor, if possible.

1. $x^2 + 3x + 2$

3. $a^2 + 12a + 20$

5. $p^2 - 10p + 24$

7. $y^2 - 8y + 7$

9. $t^2 - 5t + 24$

11. $c^2 - 14c + 48$

13. $v^2 - v - 6$

15. $d^2 - 14d - 51$

17. $x^2 - 24x - 81$

19. $p^2 + 2p - 8$

2. $n^2 + 7n + 12$

4. $k^2 + 6k + 9$

6. $w^2 + 15w + 36$

8. $b^2 - 8b + 15$

10. $z^2 - 13z + 22$

12. $m^2 - 11m + 24$

14. $g^2 - 2g - 15$

16. $f^2 - 22f - 72$

18. $n^2 - 21n - 100$

20. $w^2 + w - 12$



21. $y^2 + 11y - 26$

23. $k^2 + 11k - 42$

22. $a^2 + 4a - 32$

24. $z^2 + 10z - 21$

