

7.3 Notetaking with Vocabulary (continued)**Extra Practice**

In Exercises 1–18, find the product.

1. $(a + 3)^2$

2. $(b - 2)^2$

3. $(c + 4)^2$

4. $(-2x + 1)^2$

5. $(3x - 2)^2$

6. $(-4p - 3)^2$

7. $(3x + 2y)^2$

8. $(2a - 3b)^2$

9. $(-4c + 5d)^2$

10. $(x - 3)(x + 3)$

11. $(q + 5)(q - 5)$

12. $(t - 11)(t + 11)$

7.3 Notetaking with Vocabulary (continued)

13. $(5a - 1)(5a + 1)$

14. $\left(\frac{1}{4}b + 1\right)\left(\frac{1}{4}b - 1\right)$

15. $\left(\frac{1}{2}c + \frac{1}{3}\right)\left(\frac{1}{2}c - \frac{1}{3}\right)$

16. $(-m + 2n)(-m - 2n)$

17. $(-3j - 2k)(-3j + 2k)$

18. $\left(6a + \frac{1}{2}b\right)\left(-6a + \frac{1}{2}b\right)$

In Exercises 19–24, use special product patterns to find the product.

19. $18 \cdot 22$

20. $49 \cdot 51$

21. $19\frac{3}{5} \cdot 20\frac{2}{5}$

22. $(31)^2$

23. $(20.7)^2$

24. $(109)^2$

25. Find k so that $kx^2 - 12x + 9$ is the square of a binomial.