

Extra Practice

Lesson 8-5

(pages 439–443)

Find each sum or difference. **5–14. See margin.**

- $(3a^2 + 5) + (4a^2 - 1)$ **$7a^2 + 4$**
- $(5x - 3) + (-2x + 1)$ **$3x - 2$**
- $(6z + 2) - (9z + 3)$ **$-3z - 1$**
- $(-4n + 7) - (-7n - 8)$ **$3n + 15$**
- $(-7t^2 + 4ts - 6s^2) + (-5t^2 - 12ts + 3s^2)$
- $(6a^2 - 7ab - 4b^2) - (2a^2 + 5ab + 6b^2)$
- $(4a^2 - 10b^2 + 7c^2) + (-5a^2 + 2c^2 + 2b)$
- $(z^2 + 6z - 8) - (4z^2 - 7z - 5)$
- $(4d + 3e - 8f) - (-3d + 10e - 5f + 6)$
- $(7g + 8h - 9) + (-g - 3h - 6k)$
- $(9x^2 - 11xy - 3y^2) - (x^2 - 16xy + 12y^2)$
- $(-3m + 9mn - 5n) + (14m - 5mn - 2n)$
- $(4x^2 - 8y^2 - 3z^2) - (7x^2 - 14z^2 - 12)$
- $(17z^4 - 5z^2 + 3z) - (4z^4 + 2z^3 + 3z)$
- $(6 - 7y + 3y^2) + (3 - 5y - 2y^2) + (-12 - 8y + y^2)$ **$2y^2 - 20y - 3$**
- $(-7c^2 - 2c - 5) + (9c - 6) + (16c^2 + 3) + (-9c^2 - 7c + 7)$ **-1**

5. $-12t^2 - 8ts - 3s^2$

6. $4a^2 - 12ab - 10b^2$

7. $-a^2 - 10b^2 + 9c^2 + 2b$

8. $-3z^2 + 13z - 3$

9. $7d - 7e - 3f - 6$

10. $6g + 5h - 9 - 6k$

11. $8x^2 + 5xy - 15y^2$

12. $11m + 4mn - 7n$

13. $-3x^2 - 8y^2 + 11z^2 + 12$

14. $13z^4 - 2z^3 - 5z^2$