

CHAPTER REVIEW

1. $2 + 2x + 2x^2 + 2x^3$ [12.1B] 2. 28 [12.1A] 3. $\frac{19}{30}$ [12.3C] 4. $\frac{1}{3}$ [12.3C] 5. 1830 [12.2B]
6. 35 [12.1B] 7. $\frac{23}{99}$ [12.3C] 8. 84 [12.4A] 9. 726 [12.3B] 10. 22 terms [12.2A] 11. 0.996 [12.3B]
12. $5670x^4y^4$ [12.4A] 13. $-\frac{5}{27}$ [12.1A] 14. 1127 [12.3B] 15. $5n - 12$ [12.2A] 16. $-42,240x^4y^7$ [12.4A]

- 17.** $243\sqrt{3}$ [12.3A] **18.** 2000 [12.2B] **19.** 220 [12.4A] **20.** $-\frac{13}{60}$ [12.1B]
- 21.** $2x + 2x^2 + \frac{8x^3}{3} + 4x^4 + \frac{32x^5}{5}$ [12.1B] **22.** $\frac{1}{729}$ [12.3A]
- 23.** $x^5 - 15x^4y^2 + 90x^3y^4 - 270x^2y^6 + 405xy^8 - 243y^{10}$ [12.4A] **24.** $\frac{16}{5}$ [12.3C] **25.** 6 [12.3C] **26.** 99 [12.4A]
- 27.** 77 [12.2A] **28.** The temperature of the spa is 67.7°F . [12.3D] **29.** The total salary is \$12,240. [12.2C]
- 30.** The amount of radioactive material is 3.125 mg. [12.3D]