LESSON 5-1

Practice and Problem Solving: A/B

1. $10x^5y^3$

2. $-15p^4r^2$

3. $22\,a^6b^6$

4. $18c^5d^6$

5. $12a^2 + 8a - 28$

6. $9x^5 - 36x^4 - 27x^3$

7. $-12s^5 + 24s^4 - 60s^3$

8. $30a^8 - 10a^6 - 5a^5$

9. $-56pr^3 - 16p^2r^2 + 64p^2r$

10. $6m^2n^6 + 2mn^5 + 8m^2n^4$

11. $-6x^6y^2 - 15x^5y^3 - 27x^4y^4$

12. $9v^5w^3 + 12v^4w^4 - 6v^2w^5$

13. $-28a^4b^6 - 7a^3b^4 + 35a^5b^4$

14. $16p^8q^4 - 6p^7q^3 + 10p^6q^3$

15. a. $w(w + 3)$ or $w^2 + 3w$

    b. 28 in.^{2}

16. a. $w(3w - 8)$ or $3w^2 - 8w$

    b. 220 cm^2

LESSON 5-2

Practice and Problem Solving: A/B

1. $x^2 + 11x + 30$

2. $a^2 - 10a + 21$

3. $d^2 + 4d - 32$

4. $2x^2 + 5x - 12$

5. $5b^2 - 9b - 2$

6. $6p^2 + 5p - 6$

7. $10k^2 - 38k + 36$

8. $6m^2 + m - 40$

9. $20 + 3g - 56g^2$

10. $r^2 - 4rs - 12s^2$

11. $6 - 19v + 10v^2$

12. $25 - h^2$

13. $y^2 - 9$

14. $z^2 - 10z + 25$

15. $9q^2 - 49$

16. $16w^2 + 72w + 81$

17. $9a^2 - 24a + 16$

18. $25q^2 - 64r^2$

19. $x^3 + 7x^2 + 17x + 20$

20. $3m^3 - 5m^2 + 3m + 20$

21. $8x^3 - 26x^2 + 17x - 5$

22. $5x^2 + 6x + 1$

23. 105 in.^{2}

24. $3x^2 - 12$; $351

LESSON 5-3

Practice and Problem Solving: A/B

1. $x^2 + 4x + 4$

2. $m^2 + 8m + 16$

3. $9 + 6a + a^2$

4. $4x^2 + 20x + 25$

5. $64 - 16y + y^2$

6. $a^2 - 20a + 100$

7. $b^2 - 6b + 9$

8. $9x^2 - 42x + 49$

9. $36 - 36n + 9n^2$

10. $x^2 - 9$

11. $64 - y^2$

12. $x^2 - 36$

13. $25x^2 - 4$

14. $16 - 4y^2$

15. $100x^2 - 49y^2$

16. a. $36 - x^2$

    b. $4 - x^2$

    c. 32

17. a. $16 - x^2$

    b. 20