

Key

1 p. 99 # 9-19 odd, 21-26 (combine like terms), 31-41

A # 7 2 p. 106 # 33-41 odd

1 p. 99 # 9-19 odd, 21-26, 31-41

9. $(p-3)(-8)$

$p(-8) - 3(-8)$

$-8p - (-24)$

$-8p + 24$

11. $2(2r-3)$

$2(2r) - 2(3)$

$4r - 6$

$4r + (-6)$

13. $6v(v+1)$

$6v(v) + 6v(1)$

$6v^2 + 6v$

15. $-2x(3-x)$

$-2x(3) - (-2x)(x)$

$-6x - (-2x^2)$

$-6x + 2x^2$

$2x^2 + (-6x)$

17. $\frac{1}{2}(\frac{1}{2}m-4)$

$\frac{1}{2}(\frac{1}{2}m) - \frac{1}{2}(4)$

$\frac{1}{4}m - 2$

$\frac{1}{4}m + (-2)$

19. $\frac{2}{3}(6n-9)$

$\frac{2}{3}(6n) - \frac{2}{3}(9)$

$4n - 6$

$4n + (-6)$

21. $\underline{-7} + \underline{13x} + \underline{2x} + \underline{8}$

$15x + 1$

22. $9 + 7y - 2 - 5y$

$\underline{9} + \underline{7y} + \underline{(-2)} + \underline{(-5y)}$

$2y + 7$

23. $7x^2 - 10 - 2x^2 + 5$

$\underline{7x^2} + \underline{(-10)} + \underline{(-2x^2)} + \underline{5}$

$5x^2 + (-5)$

24. $-3y^2 + 3y^2 - 7 + 9$

$\underline{-3y^2} + \underline{3y^2} + \underline{(-7)} + \underline{9}$

2

25. $2 + 3xy - 4xy + 6$

$\underline{2} + \underline{3xy} + \underline{(-4xy)} + \underline{6}$

$-xy + 8$

26. $6xy - 11xy + 2xy - 4xy + 7xy$

$\underline{6xy} + \underline{(-11xy)} + \underline{2xy} + \underline{(-4xy)} + \underline{7xy}$

0

31. $(4a-1)2 + a$

$4a(2) - 1(2) + a$

$8a - 2 + a$

$\underline{8a} + \underline{(-2)} + \underline{a}$

$9a + (-2)$

32. $3(2-c) - c$

$3(2) - 3(c) - c$

$6 - 3c - c$

$\underline{6} + \underline{(-3c)} + \underline{(-c)}$

$-4c + 6$

33. $6r + 2(r+4)$

$6r + 2(r) + 2(4)$

$6r + 2r + 8$

$8r + 8$

Key

34. $15t - (t - 4)$

$15t + (-1)(t + (-4))$

$15t + (-t) + 4$

$14t + 4$

35. $3(m+5) - 10$

$3(m) + 3(5) + (-10)$

$3m + 15 + (-10)$

$3m + 5$

36. $-6(v+1) + v$

$-6(v) + (-6)(1) + v$

$-6v + (-6) + v$

$-5v + (-6)$

37. $7(w - 5) + 3w$

$7(w) - 7(5) + 3w$

$7w - 35 + 3w$

$7w + (-35) + 3w$

$10w + (-35)$

38. $6(5 - z) + 2z$

$6(5) - 6(z) + 2z$

$30 - 6z + 2z$

$30 + (-6z) + 2z$

$-4z + 30$

39. $(5 - 3)(-2) + 17s$

$5(-2) - 3(-2) + 17s$

$-25 - (-6) + 17s$

$-25 + 6 + 17s$

$15s + 6$

40. $P = 2L + 2W$ $\boxed{}$ ⁵
 $v+3$

$P = 2(v+3) + 2(5)$

$P = 2(v) + 2(3) + 2(5)$

$P = 2v + 6 + 10$

$P = 2v + 16$

$A = LW$

$A = 5(v+3)$

$A = 5(v) + 5(3)$

$A = 5v + 15$

41. $P = 2L + 2W$ $\boxed{}$ ⁹
 $8-12w$

$P = 2(8-12w) + 2(9)$

$P = 2(8) - 2(12w) + 2(9)$

$P = 16 - 24w + 18$

$P = 16 + (-24w) + 18$

$P = -24w + 34$

$A = LW$

$A = 9(8-12w)$

$A = 9(8) - 9(12w)$

$A = 72 - 108w$

$A = 72 + (-108w)$

$A = -108w + 72$

Key

A #7

2 p. 106 #33-41 odd

$$33. \frac{6x - 14}{2}$$

$$\frac{6x + (-14)}{2}$$

$$\frac{6x}{2} + \frac{(-14)}{2}$$

$$\boxed{3x + (-7)}$$

$$35. \frac{9z - 6}{-3}$$

$$\frac{9z + (-6)}{-3}$$

$$\frac{9z}{-3} + \frac{(-6)}{-3}$$

$$\boxed{-3z + 2}$$

$$37. \frac{5 - 25q}{10}$$

$$\frac{5 + (-25q)}{10}$$

$$\frac{5}{10} + \frac{(-25q)}{10}$$

$$\frac{1}{2} + \left(-\frac{5}{2}q\right)$$

$$\boxed{-\frac{5}{2}q + \frac{1}{2}}$$

$$39. \frac{-24a - 10}{-8}$$

$$\frac{-24a + (-10)}{-8}$$

$$\frac{-24a}{-8} + \frac{(-10)}{-8}$$

$$\boxed{3a + \frac{5}{4}}$$

$$41. \frac{36 - 27c}{9}$$

$$\frac{36 + (-27c)}{9}$$

$$\frac{36}{9} + \frac{(-27c)}{9}$$

$$4 + (-3c)$$

$$\boxed{-3c + 4}$$