

ALGEBRA (SECTION 1.7)

9. $6(a+10)$

$$\boxed{6a + 60}$$

11. $(5+w)5$

$$\boxed{25 + 5w}$$

13. $10(9-t)$

$$\boxed{90 - 10t}$$

15. $16(7b+6)$

$$\boxed{112b + 96}$$

17. $(3-8c)1.5$

$$\boxed{4.5 - 12c}$$

19. $\frac{1}{4}(4f-8)$

$$\boxed{f - 2}$$

21. $(-8z-10)(-1.5)$

$$\boxed{12z + 15}$$

23. $1\left(\frac{3}{11} - \frac{7d}{17}\right)$

$$\boxed{\frac{3}{11} - \frac{7d}{17}}$$

25. $2x+7$

5

$$\boxed{\frac{2}{5}x + \frac{7}{5}}$$

27. $8-9x$

3

$$\boxed{\frac{8}{3} - 3x}$$

29. $25-8t$

5

$$\boxed{5 - \frac{8}{5}t}$$

31. $2a-2n$

2

$$\boxed{11 - n}$$

33. $-(20+d)$

$$\boxed{-20 - d}$$

35. $-(9-7c)$

$$\boxed{-9 + 7c}$$

37. $-(18a-17b)$

$$\boxed{-18a + 17b}$$

39. $-(-m+n+1)$

$$\boxed{m - n - 1}$$

49. $c = 99 \cdot 50$

$$= \boxed{\$49.50}$$

51. $c = 105(45)$

$$= \boxed{\$4,725}$$

53. $11x+9x$

$$= \boxed{20x}$$

55. $5t-7t$

$$= \boxed{-2t}$$

$$57. \quad 5w^a + 12w^a$$
$$= \boxed{17w^a}$$

$$59. \quad -4y^a + 9y^a$$
$$= \boxed{5y^a}$$

$$61. \quad 5 - 3x + y + 6$$
$$= \boxed{-3x + y + 11}$$

$$63. \quad -7h + 3h^a - 4h - 3$$
$$= \boxed{3h^a - 11h - 3}$$

$$71. \quad 11(3x + 2)$$
$$= \boxed{33x + 22}$$

$$73. \quad 7(5n - 9)$$
$$= \boxed{35n - 63}$$