

Pg. 265; # 8-18 all  
23, 24, 28, 29,  
49-56 all

## ALGEBRA (SECTION 4.5)

8.  $y = 4x - 5$

10.  $a = \frac{3}{5}b - 7$

12.  $e = 8.75n$

14.  $L = 4n + 42$

16.  $h = 21t + 40$

$$h = 21(45) + 40$$

$$= 985 \text{ ft}$$

18.  $p = 24 + 12c + 48$

$$p = 24 + 12(25) + 48$$

$$= 372 \text{ pgs}$$

24.  $A = (1.6w)(w)$  OR  $A = 1.6w^2$

29. A.  $d = 1.8w$

B.  $d = 1.8(7)$

$$d = 12.6$$

No, the room is only 12 ft long

C.  $d \geq 1.8w$

$$12 \geq 1.8w$$

$$6.67 \geq w$$

9.  $C = \frac{1}{2}n + 8$

11.  $W = \frac{h}{3} + 2.5$

13.  $p = .95t + 6.95$

15.  $a = 8 - \frac{1}{6}b$

17.  $d = -50t - 10$

$$d = -50(3) - 10$$

$$= -160 \text{ ft}$$

23. A function can find any answer. It is also faster.

28. A.  $b = 29d + 13.95d + 3.80(12)$

$$b = 42.95d + 45.60$$

B.  $b = 42.95(9) + 45.60$

$$= \$432.15$$

49.  $-36$

50.  $21$

51.  $111.6$

52.  $-9$

53.  $14$

54.  $1$

55.  $\frac{5}{3}$

56.  $\frac{21}{16}$