

ALGEBRA 1 (SECTION 1.9)

8. $y = x + 6 ; (0, 6)$
 $6 = 0 + 6$
 $6 = 6 \checkmark$

9. $y = 1 - x ; (2, 1)$
 $1 = 1 - 2$
 $1 \neq -1 \times$

10. $y = -x + 3 ; (4, 1)$
 $1 = -4 + 3$
 $1 \neq -1 \times$

11. $y = 6x ; (3, 16)$
 $16 = 6(3)$
 $16 \neq 18 \times$

12. $-x = y ; (-3.1, 3.1)$
 $3.1 = 3.1 \checkmark$

13. $y = -4x ; (-2, 8)$
 $8 = -4(-2)$
 $8 = 8 \checkmark$

14. $y = x + \frac{2}{3} ; (1, \frac{1}{3})$
 $\frac{1}{3} = 1 + \frac{2}{3}$
 $\frac{1}{3} = \frac{3}{3} + \frac{2}{3}$
 $\frac{1}{3} \neq \frac{5}{3} \times$

15. $y = x - \frac{3}{4} ; (2, 1\frac{1}{4})$
 $\frac{5}{4} = 2 - \frac{3}{4}$
 $\frac{5}{4} = \frac{8}{4} - \frac{3}{4}$
 $\frac{5}{4} = \frac{5}{4} \checkmark$

16. $\frac{x}{5} = y ; (-10, -2)$
 $\frac{-10}{5} = -2$
 $-2 = -2 \checkmark$

17. $T = B - 3$

B	T
5	2
6	3
7	4

18. $C = 24B$

B	C
2	48
3	72
4	96

19. $T = \frac{1}{3}S$

S	T
3	1
6	2
9	3

20. $T = 8.5L$

L	T
1	8.5
2	17
3	25.5

23. $y = x - 12$

$y = 64 - 12$
 $y = 52 \text{ m.}$

24. $y = 16x + x$

$y = 16(9) + 9$

$y = \$153$

25.

H	W
1	4
2	8
3	12

$W = 4H$

A. $W = 4(9)$

$W = 36$

B. $k = 4(n+1)$

26. $20a = 4H$

$H = 50.5 ?$

Not Reasonable

28. $-\frac{1}{4}x + b = y ; (a, 4)$

$-\frac{1}{4}(a) + b = 4$

$-\frac{a}{4} + b = 4$

$-\frac{a}{4} + \frac{24}{4} = 4$

$\frac{22}{4} = 4$

$\frac{11}{2} \neq 4$

27. $y = 2x + 7 ; (-2, 3)$

$3 = 2(-2) + 7$

$3 = 3 \checkmark$

29. $y = -1.2x - 2.6 ; (3.5, 6.8)$

$6.8 = -1.2(3.5) - 2.6$

$6.8 = -4.2 - 2.6$

$6.8 \neq -6.8 \times$

30.

$$h = 1.5s$$

$$h = 1.5(9)$$

$$h = 13.5$$

31. $m = 490h$

$$5390 = 490h$$

$$h = 11$$