

Chapter 5

1. (a) NO (b) YES. $y = 0.25x$

2. (a) Yes (b) No (c) No 4. (a) Yes b) No c) No d) Yes

5. Domain: $x = \{-3, 1, 4, 5\}$ Range: $y = \{3, 6, 8\}$ 6. $f(3) = -6$

Chapter 6

1. Slope-Intercept Form: $y = -5x + 2$

Point-Slope Form: $y + 18 = -5(x - 4)$ or $y - 37 = -5(x + 7)$

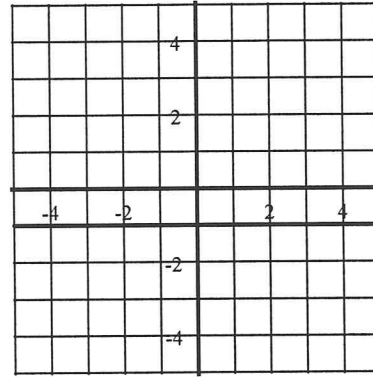
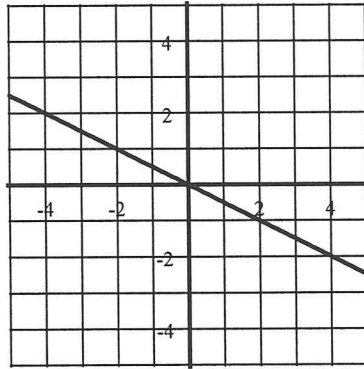
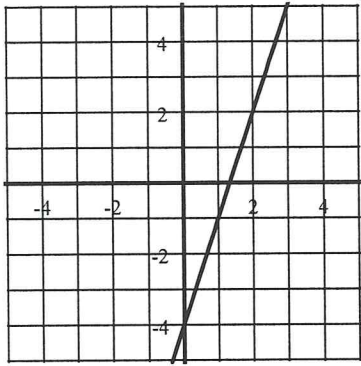
2. a) $x = -3$ b) $y = 5$ 3. a) $y = -3x + 1$ b) $y = -3$ c) $x = 2$

4. $x - int = 10$ $y - int = -6$

5. a)

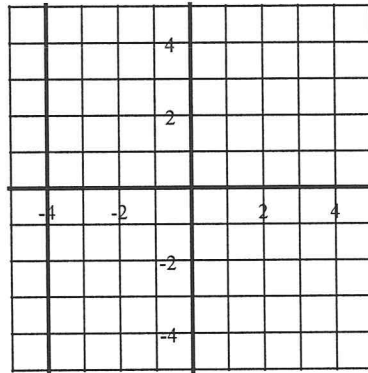
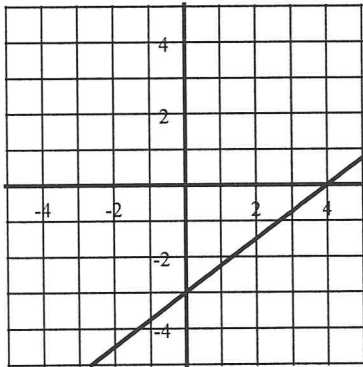
b)

c)



d)

e)



6. a) $y - 1 = 6(x - 5)$ or $y = 6x - 29$ b) $y - 10 = -\frac{1}{6}(x - 12)$ or $y = -\frac{1}{6}x + 12$

7. a) Parallel b) Neither c) Perpendicular d) Parallel e) Perpendicular f) Neither

8. 8.25 pounds/day

Chapter 7

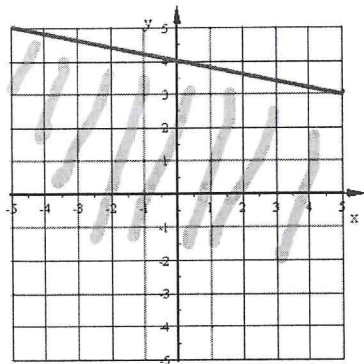
1. (6, 1) 2. a) One Sol b) No Sol c) Many Sol

3. a) (12, 39) b) (1, -1)

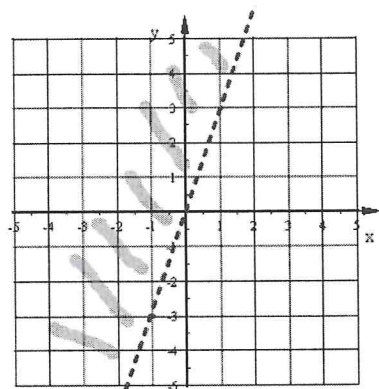
4. a. (-3, 2) b. (-5, -7) c. (0, 8) d. (9, -1)

5. a) 6 cal/min walking & 15 cal/min jogging. b) 11 jobs.

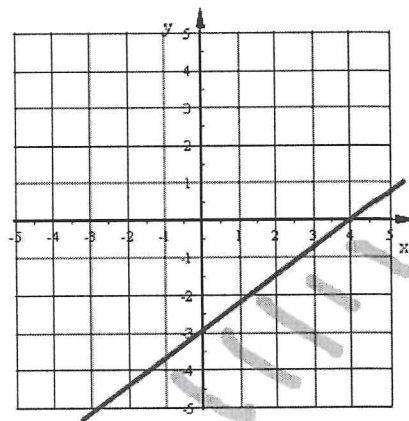
6.



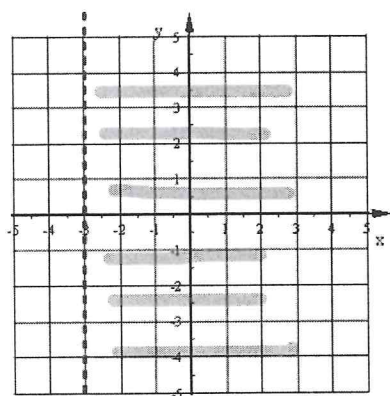
7.



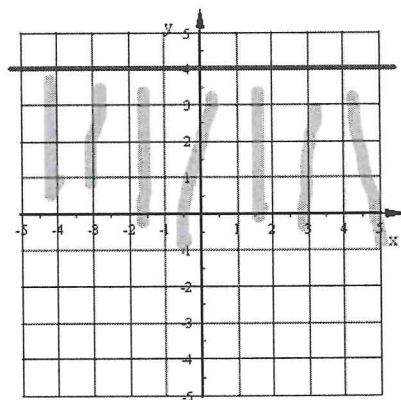
8.



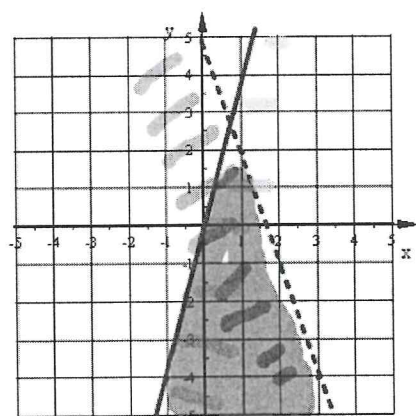
9.



10.



11.



12.

