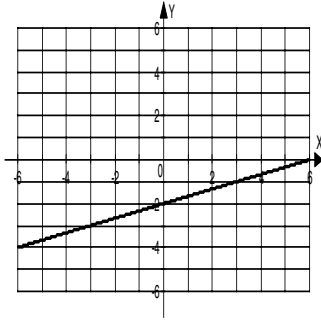


Chapter 3 Answers

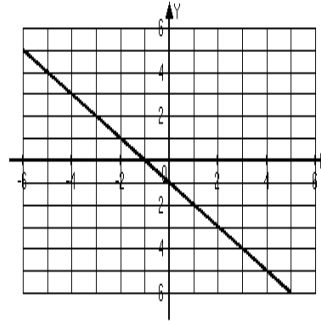
Form A

1. yes 2. $(0, -2); (3, -1); (6, 0)$

3.

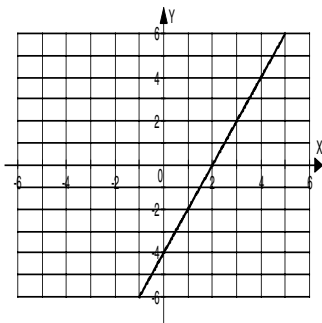


4.

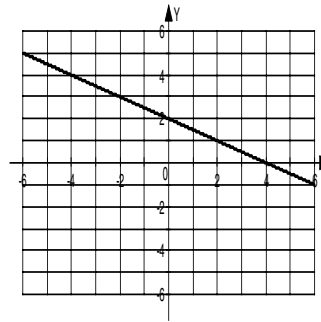


5a. $(-2, 0)$ b. $(0, 4)$ 6a. None b. $(0, 3)$ 7a. $(2, 0)$ b. $(0, -4)$

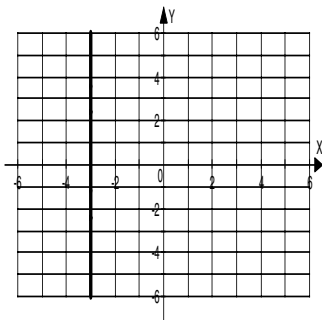
8.



9.



10.

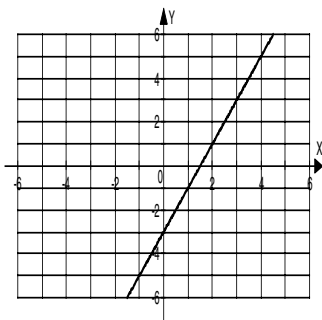


11a. 3 minutes b. 15ft 12a. $(0, 0)$

b. At time 0, the height was 0 13. $-\frac{5}{7}$

14. 0 15. Yes 16a. 2 b. $(0, -3)$

17.



18a. $y - 3 = -3(x + 2)$ b. $y = -3x - 3$

19a. $m = \frac{1}{2}$ b. $m = -2$

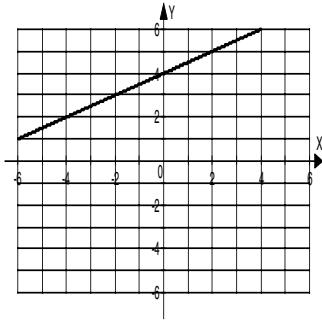
20a. $y - 4 = 2(x - 4)$ or $y - 10 = 2(x - 7)$

b. $y = 2x - 4$

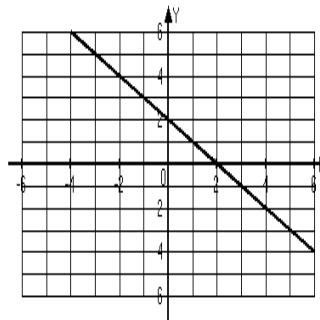
Form B

1. No 2. $(-2, 3)$; $(0, 4)$; $(2, 5)$

3.

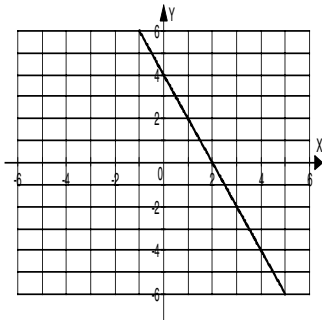


4.

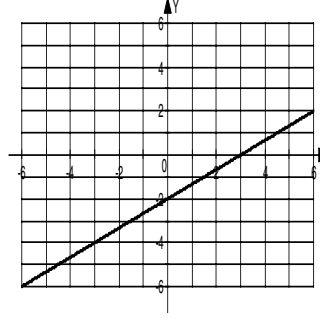


5a. $(-1, 0)$ b. $(0, -3)$ 6a. $(3, 0)$ b. None 7a. $(2, 0)$ b. $(0, 4)$

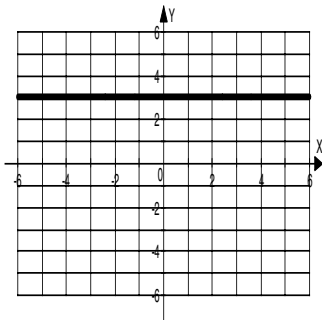
8.



9.



10.

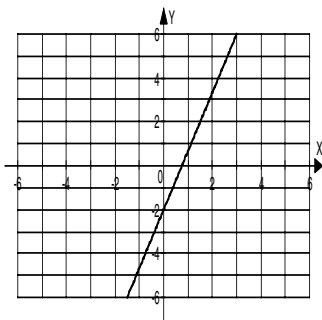


11a. 1 pm. b. 10 12a. $(6, 0)$
b. At 6 pm., there were no cars in the lot

13. $\frac{1}{11}$ 14. Undefined 15. No

16a. $\frac{8}{3}$ b. $(0, -2)$

17.



18a. $y + 2 = -2(x - 1)$ b. $y = -2x$

19a. $m = -\frac{2}{3}$ b. $m = \frac{3}{2}$

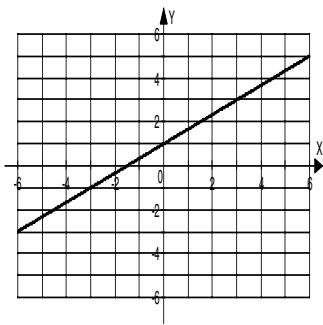
20a. $y - 5 = \frac{3}{2}(x - 2)$ or $y + 10 = \frac{3}{2}(x + 8)$

b. $y = \frac{3}{2}x + 2$

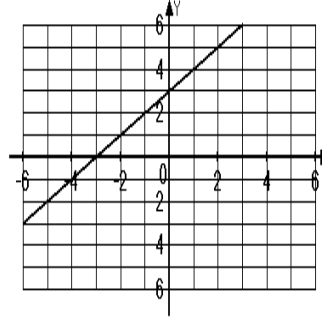
Form C

1. Yes 2. $(0, 1)$; $(-2, -\frac{1}{3})$; $(-6, -3)$

3.

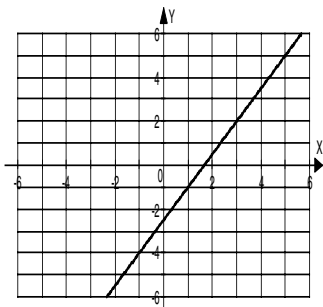


4.

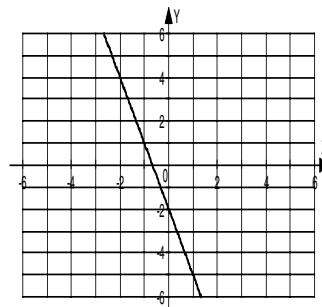


5a. $(-1, 0)$ b. $(0, 2)$ 6a. None b. $(0, -4)$ 7a. $(\frac{5}{3}, 0)$ b. $(0, -\frac{5}{2})$

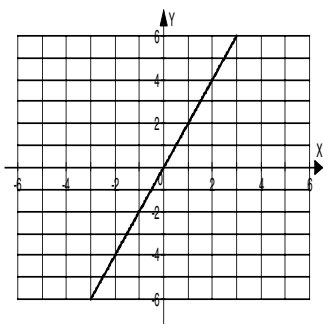
8.



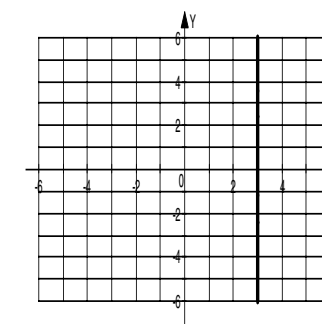
9.



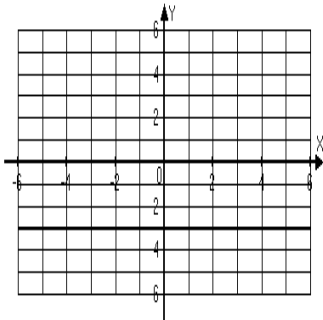
10.



11.

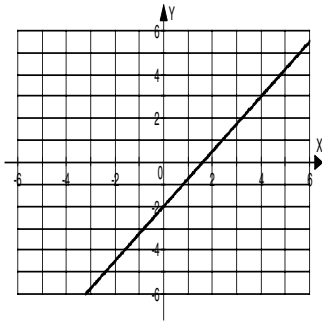


12.



13. $-\frac{6}{7}$ 14. 0 15a. $\frac{5}{4}$ b. $(0, -2)$

16.



17. Yes 18a. $y - 0 = 1(x - 2)$ or $y - 3 = 1(x - 5)$

b. $y = x - 2$ 19. $y = 0.75x + 8$

20. A pizza with 2 toppings cost \$9.50

21a. (0, 5) b. At time 0, the canary is at a height of 5 feet 22a. 2 minutes b. 15 feet

23a. $m = \frac{2}{5}$ b. $m = -\frac{5}{2}$ 24a. $y + 5 = 3(x + 4)$ or $y - 4 = 3(x + 1)$ b. $y = 3x + 7$

25a. $y = \frac{3}{2}x + 2$

Form D

1. c 2. a 3. b 4. c 5. c 6. d 7. c 8. a 9. c 10. d 11. d 12. d 13. a 14. d
15. b 16. a 17. b 18. c 19. c 20. d

Form E

1. b 2. d 3. a 4. d 5. a 6. a 7. c 8. c 9. d 10. a 11. d 12. a 13. a 14. d
15. b 16. d 17. a 18. a 19. b 20. d

Form F

1. a 2. d 3. d 4. b 5. c 6. d 7. b 8. a 9. b 10. c 11. a 12. a 13. c 14. c
15. a 16. a 17. c 18. b 19. c 20. c