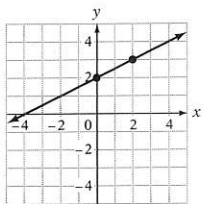


## SECTION 3.4

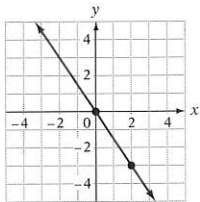
1.  $-1$     3.  $\frac{1}{3}$     5.  $-\frac{2}{3}$     7.  $-\frac{3}{4}$     9. Undefined    11.  $\frac{7}{5}$     13.  $0$     15.  $-\frac{1}{2}$     17. Undefined    19. The slope is

40. The slope is the average speed of the motorist.    21. The slope is  $0.5$ . The slope is the increase in the number of gallons of water per person per year.    23. The slope is  $385.5$ . The slope is the average speed of the runner in meters per minute.

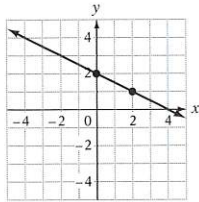
25.



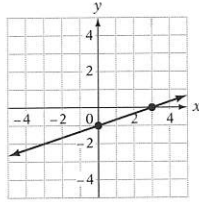
27.



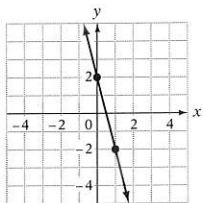
29.



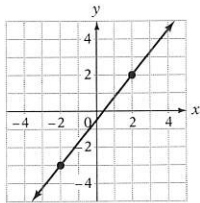
31.



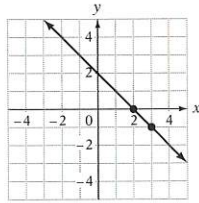
33.



35.



37.



39. The markup is  $\$37.50$ .

41.  $f(21) = 8$

43. Decreases by 3

45. Decreases by 3

47. Decreases by  $\frac{2}{3}$

49. Answers will vary.

51.  $k = 10$

53.  $k = -4$