

3. negative correlation

4. positive correlation

5. approximately no correlation

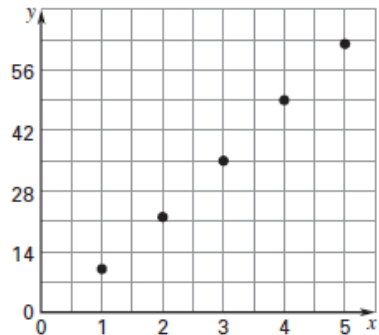
p. 117/#3-5, 7-11, 16, 17, 19, 20, 24-26, 31-41 odd

7. 0

8. 0.5

9. -1

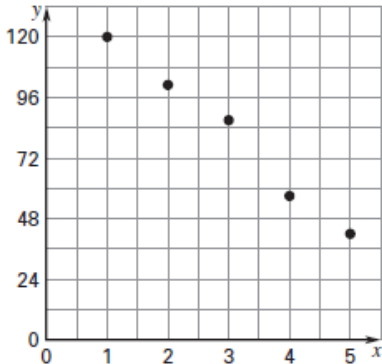
10. a.



b. *Sample answer:*  $y = 13x - 4$

c. about 256

11. a.

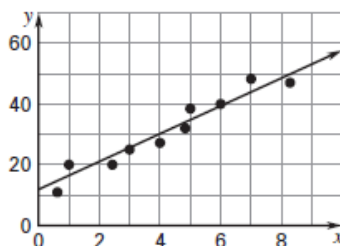


b. *Sample answer:*  
 $y = -20x + 141$

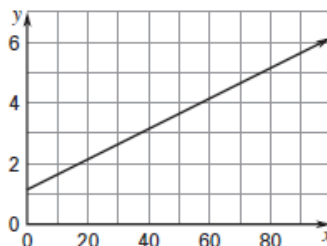
c. about -259

17. The line should go through the middle of the data points.

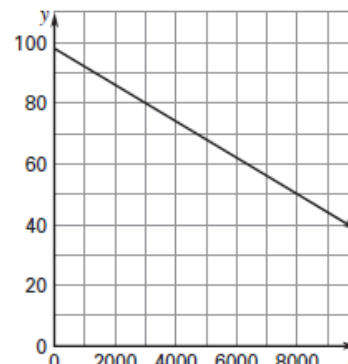
*Sample:*



19.  $y = 0.05x + 1.14$



20.  $y = -0.006x + 98.1$



24. *Sample answer:*  
 $y = 0.389x + 19.8$

25. *Sample answer:*  
 $y = 101.3x + 2236.6$

26. *Sample answer:*  
 $y = -0.001861x + 212.2$ ;  
about 186°F

31.  $y = -\frac{1}{6}x - \frac{5}{6}; -1$

33.  $y = \frac{3}{4}x - \frac{5}{4}; -2\frac{3}{4}$

35.  $y = \frac{4x + 9}{x}; 5\frac{1}{2}$

37. 9

39. 0

41. 1