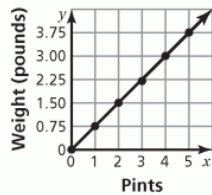


Sec. 9.2: p. 382 (#1-6)

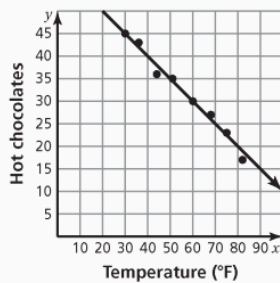
1. You can estimate and predict values.
2. Sample answer: not a good representation; too many points in the data set lie below the line.
3. -0.98 , because it is closer to -1 than 0.91 is to 1 . ($|-0.98| > |0.91|$)

4. a-b.



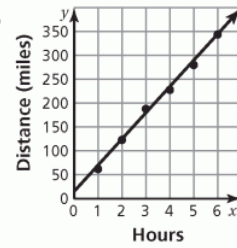
- c. Sample answer: $y = 0.75x$
- d. Sample answer: 7.5 lb
- e. Sample answer: \$16.88

5. a.



- b. Sample answer:
 $y = -0.5x + 60$
- c. Sample answer: The slope is -0.5 and the y-intercept is 60. So, you could predict that 60 hot chocolates are sold when the temperature is 0°F , and the sales decrease by about 1 hot chocolate for every 2°F increase in temperature.
- d. 50 hot chocolates

6. a.



- b. Sample answer: $y = 55x + 15$
- c. 55 miles
- d. 15 miles
- e. Sample answer: 400 mi