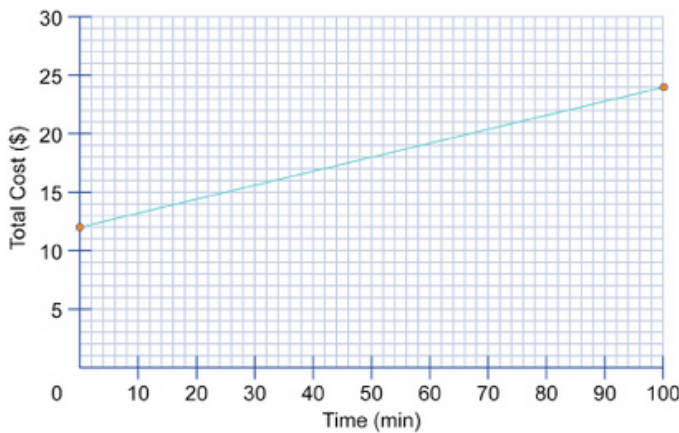


Suggested Answers

Lesson 2

SC 2.



SC 3.

- a. C
The slope is the change in the dependent variable compared to the change in the independent variable. Therefore, the slope is (change in cost/ (change per minute) or cost per minute.
- b. B
The y-intercept has coordinates (0, 12), which is the cost for 0 minutes of cellphone use. The context of the question indicates that there is a \$12 monthly charge regardless of minutes used. Therefore, the y-intercept represents the recurring monthly charge.

SC 4.

a. The domain and range for the function described is as follows.

Words	• The domain includes the integers from 0 to 10. • The range is in multiples of 100 from 2000 to 3000.
Number Line	• domain:  • range: 
Set Notation	• domain: $\{x \mid 0 \leq x \leq 10, x \in \mathbb{I}\}$ • range: $\{2000 + 100y, y \mid 0 \leq y \leq 10, y \in \mathbb{I}\}$
List	• The domain is $\{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$. • The range is $\{2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000\}$.

b. It does not make sense to have negative numbers when dealing with cost and time. In addition, the graph should also be limited to ten days for the total length of the stay in Brazil.