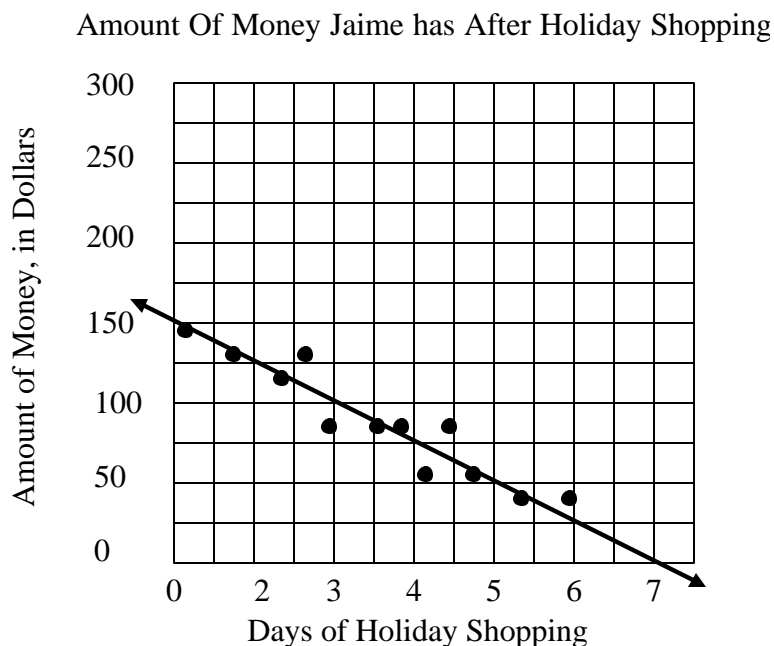


## Lines of Fit: Practice C

1. The scatter plot below shows the money ( $y$ ) Jaime has after  $x$  days of holiday shopping.



- According to the line of fit, when the number of days increases by 2, how much does Jaime's money decrease?
  - Using the line of fit, predict the how much money Jaime has after 7 days?
2. Look at the data in the table below

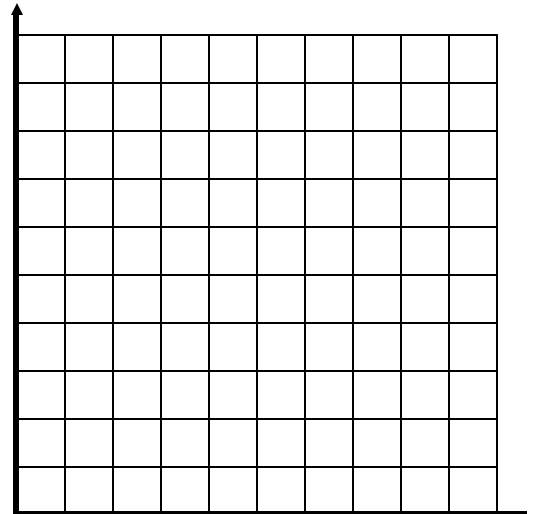
x	-5	-2	0	3	5	12
y	15	9	5	-1	-3	-6

Which of the following describes the slope of the line of best fit for this data?

- The slope is positive
  - The slope is negative
  - The slope is zero
  - The slope is undefined
3. Every year since 1990, Minimum wage has been raised to meet the needs of workers.

<i>Year since 1990</i>	<i>Minimum Wage (\$)</i>
4	4.15
5	4.20
6	4.30
7	5.15
8	5.25
9	5.25
10	5.75

- Label the axes with words.
- Label the axes with numbers.
- Plot the points on the graph.



- Use your graphing calculator to find the equation of a line of best fit for this data. Write the equation here.
- Use your equation to predict the minimum wage in year 2010 (20 years since 1990).

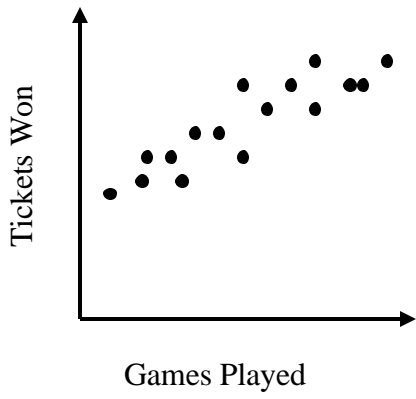
4. Look at the table of data below.

x	-3	-2	0	5	7	11
y	-8	-6	1	4	5	8

Use your graphing calculator to find the equation for the line of best fit. Then make the following predictions:

- What is  $y$  when  $x = 10$  (approximately)?
- What is  $x$  when  $y = 30$  (approximately)?

5. The scatter plot below shows the relationship between hours worked and money earned.



Which of the graphs below represents the line of best fit?

