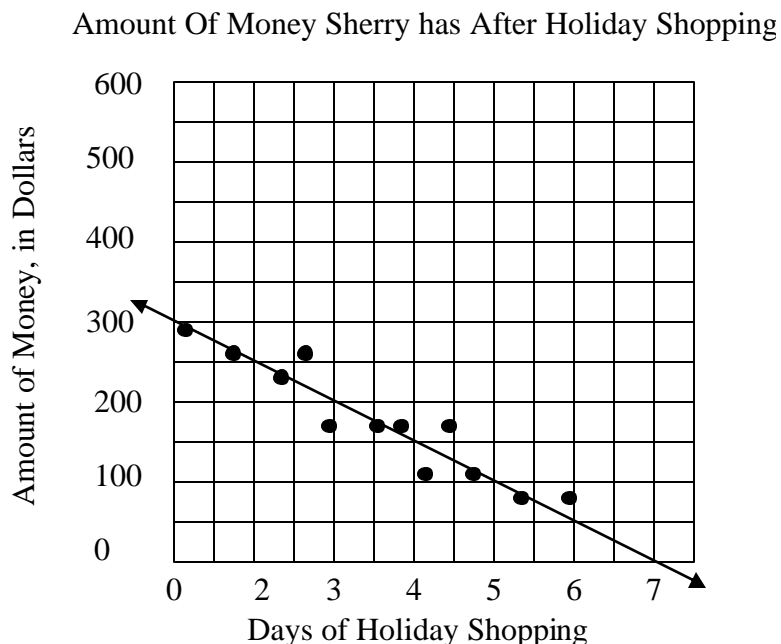


Lines of Fit: Practice B

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



- According to the line of fit, when the number of days increases by 2, how much does Sherri's money decrease?
- Using the line of fit, predict the when Sherri will run out of all of her money?
- Which of the following describes the slope of your line
 - a. The slope is positive
 - b. The slope is negative
 - c. The slope is zero
 - d. The slope is undefined
- How much money did Sherri have when she first started shopping?

2. Look at the data in the table below

x	-4	-3	-1	0	4	9
y	-2	-1	0	4	5	8

i. What is the equation of line best fit line? (use the calculator!)

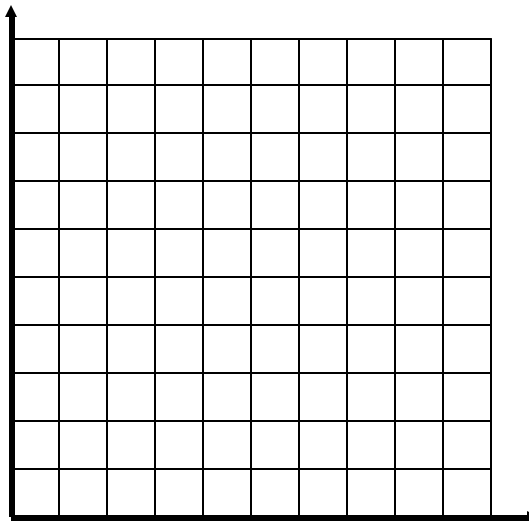
ii. Which of the following describes the slope of your line

- b. The slope is positive
- c. The slope is negative
- d. The slope is zero
- e. The slope is undefined

3. Read the story below and fill in the chart. Then graph the data.

Every year since 1990, the number of runners in the U.S. has grown. Below is a chart of the number of runners in the hundreds of thousands.

Year	Year since 1990	Runners
1994		5.5
1995		5
1996		6
1997		7
1998		6.7
1999		7
2000		7.1
2001		7.5



What is the equation of the line of best fit?