

179

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**Course 3** • Data Analysis and Statistics

**b.** Use the line of best fit to make a conjecture about the

number of balloons she will have blown up at the end of 70 minutes.

**Temperature (°F)**

temperature if the thickness of the ice is 2$\frac{1}{3}$ inches.

**–**1

**–**2

**–**3

**–**4

**–**5

**–**6

**–**7

**–**8

**–**9

1 2 3 4 5 6 7 8 9

**Days**

**Number of Balloons**

**Comic Books Left**

**Ice Thickness (in.)**

**1.** **BALLOONS** Salina is having a surprise party for her friend Ernie. The

table shows how many balloons she has been able to blow up by the end of each 10-minute segment.

**Homework Practice**

***Lines of Best Fit***

21

16

15

12

3

**Balloons**

50

40

30

20

10

**Time (min)**

***x***

***y***

***x***

***y***

***y***

***x***

**b.** Use the equation to make a conjecture about the

**a.** Write an equation in slope-intercept form for the line

that is drawn.

3

2

1

0

**3.** **ICE RINK** Maury has an ice rink in his back yard. The

scatter plot shows the thickness of the ice relative to the temperature.

0

**b.** Use the equation to make a conjecture about the

number of comic books he will have at the end of the seventh day.

**a.** Write an equation in slope-intercept form for the line

that is drawn.

90

80

70

60

50

40

30

20

10

**2.** **COMIC BOOKS** Sidney is selling his comic book collection

on the Internet. The scatter plot shows how many comic books he has left at the end of each day.

10 20 30 40 50 60 70 80 90

**Time (min)**

0

**a.** Construct a scatter plot of the data. Then draw a line

that seems to best represent the data.

34

32

28

24

20

16

12

8

4

PERIOD

 DATE

NAME \_\_\_\_\_\_