**Chapter 9 Practice Quiz**

**1.** **SURVEY** A survey was taken of local residents to determine their favorite sport to watch live. The survey results are shown on the graph. How many respondents preferred to watch either football or soccer?

**6.** Does the scatter plot show a *positive, negative*, or *no* relationship?

**2.** **WEATHER** Average temperatures for various months are

given in the table below. Construct a scatter plot of the data. Draw a line that best seems to fit the data.

**Test Grade (%)**

**Temperature**

**Month**

**Number of Residents**

***x***

***y***

81˚

78˚

72˚

65˚

55˚

**Average Temperature**

5(Aug)

4(July)

3(June)

2(May)

1(April)

**Month**

70

32

45

60

77

69

89

55

**Test Grade (%)**

50

15

40

60

32

80

92

10

**Homework Grade (%)**

30

10

**Does not play a sport**

10

50

**Plays a sport**

**Dislikes football**

**Likes football**

**Course 3 •** Chapter 9 Scatter Plots and Data Analysis

**198**

**7.**

**7.** Use the two-way table to determine the relative frequency of

students who play a sport and like football to the total number of students plays a sport. Round to the nearest hundredth.

**6.**

**5.**

**5.** Construct a scatter plot of the data.

20 40 60 80 100

**Homework Grade (%)**

***O***

20

40

60

80

100

**For Exercises 5 and 6, use the following table.**

**4.**

**4.** Use the equation to make a conjecture about the average

temperature in September.

**3.**

**3.** Write an equation for the line of fit that you have drawn.

**2.**

Basketball

Hockey Soccer

**Sport**

Football

85

80

75

70

65

60

55

35

30

25

20

15

10

5

0

**1.**

 PERIOD

DATE

NAME