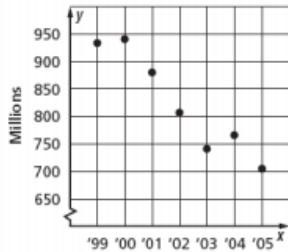


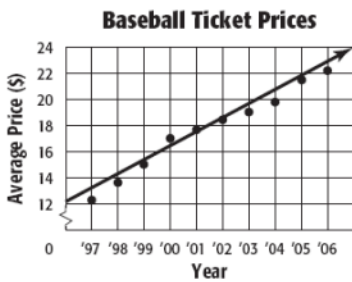
Final Review Data Analysis

1.



MUSIC The scatter plot shows the number of CDs (in millions) that were sold from 1999 to 2005. If the trend continued, about how many CDs were sold in 2006?

2.

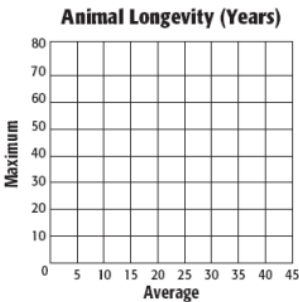


a. Use the points (2001, 17.60) and (2002, 18.75) to write the slope-intercept form of equation for the line of fit shown in the scatter plot.

b. Use your equation to tell the price of a ticket in 2009.

3.

		Longevity (years)						
Avg.	12	25	15	8	35	40	41	20
Max.	47	50	40	20	70	77	61	54



ZOOS The table shows the average and maximum longevity of various animals in captivity.

a. Draw a scatter plot and determine, what relationship, if any, exists in the data.

b. Draw a line of fit for the scatter plot, and write the slope-intercept form of an equation for the line of fit.

c. Predict the maximum longevity for an animal with an average longevity of 33 years.

4.

- a) Complete the table
 One of the items is chosen. Calculate the probability of choosing
- b) a DVD.
- c) a comedy on video.
 A DVD is chosen. Calculate the probability of
- d) it being sport.
- e) it not being comedy.

	Videos	DVDs	TOTAL
Film	43	16	
Comedy		5	17
Sport	21		
TOTAL		24	100