Buying a Ford Mustang

Name: _____

You are using the newspaper to shop for a Ford Mustang. Below are today's classified ads .

00 Ford Mustang V6, auto, alloys, great milage, $6988.	**02 FORD MUSTANG** Excellent condition low miles, $10,100	**01 Ford Mustang** convertible, auto, leather, white, tan leather $9488
2001 Ford Mustang 71,000 miles, gray, V-6, auto, Excellent cond., One owner. $8,500	**98 Mustang Convert** Auto, Whte w/Balck Top,New Tires $6,000	**05 Ford Mustang** low, low miles, auto V6, CD, Shaker sound system $18,888
04 40th Anniversary Mustang, V6, 9K miles, Mach Stereo, $14,499	**04 Mustang Auto V6** Competition Orange 21K $13, 988	**99 Mustang LX conv** auto V6 $7,250

Make a table to represent the data above.

Sketch a scatter plot for the given data using dollars (in thousands) and years (1998-2005) as your axes.

1. Describe the data correlation. _____

2. Using the scatter plot, predict what a 2003 Mustang would cost. _____

3. What might a 2006 Mustang cost? _____ Explain your reasoning:

_____

4. If you had $11,000 to spend, what year model could you afford to buy? _____

5. (Algebra) Write an equation to represent the line of best fit._____

Explain your strategy. _____

_____