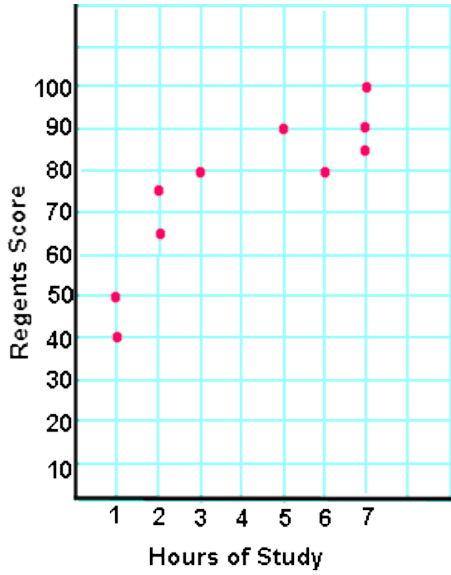


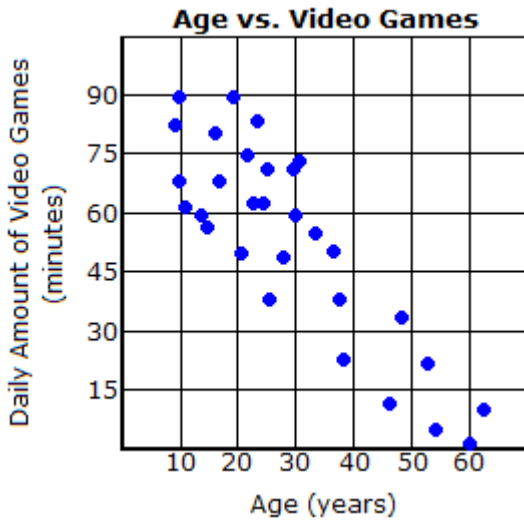
Lines of Best Fit Practice

1)



- a) Draw a line of best fit.
- b) Write an equation for the line of best fit in slope-intercept form:
- c) Explain what the slope represents in terms of the situation.
- d) Explain what the y-intercept represents in terms of the situation.
- e) Use your equation to predict the Regents score of a student who studied for four hours. Show your work. Verify your answer by looking on the graph.

2)



- a) Draw a line of best fit.
- b) Write an equation for the line of best fit in slope-intercept form:
- c) Explain what the slope represents in terms of the situation.
- d) Explain what the y-intercept represents in terms of the situation (and would it make sense?).
- e) According to your equation, how many minutes of video games would an 80-year old play per day? Does this seem reasonable?