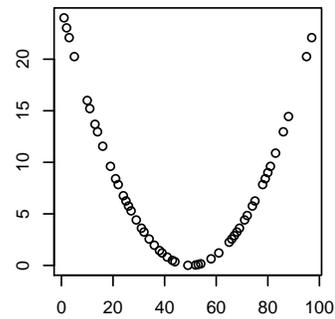
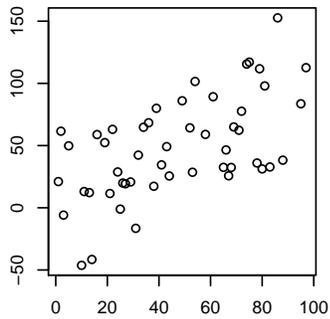
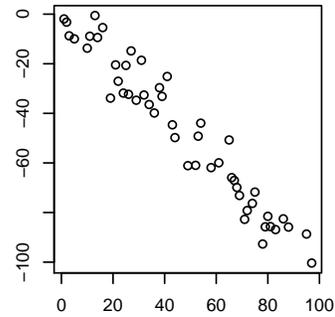
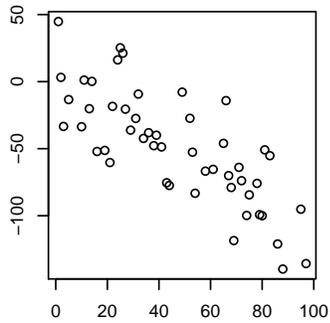
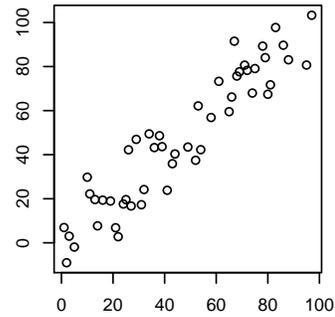
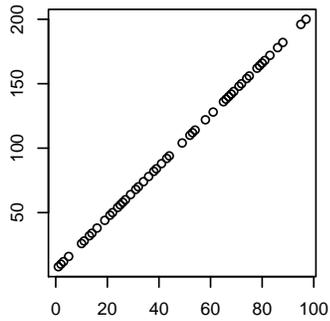


2 (6 points). Match each graph to what is most likely a corresponding correlation coefficient. Correlation coefficients to choose from are:

-0.6 0 1 0.9 -0.95 0.5



3 (4 points). Consider the following sample of paired data, where x is the number of people assigned to the project and y is the number of hours taken to complete the project.

x	2	5	6	10	20
y	40	24	25	18	15

- (a) Find the correlation coefficient r .

- (b) Find the equation of the linear regression line and state it in the slope-intercept form.

- (c) Use your equation to predict the number of hours needed to complete a project when 24 people are assigned.

- (d) Plot the data set and the line of best fit.

