

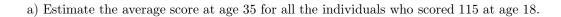
Quiz 3

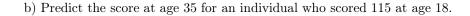
1. For the data set below, (a) find the equation for the regression line, (b) draw the scatter plot and the two line.

x	У
1	1
3	7
4	8
4	9
5	10
7	13

2. In a study of the stability of IQ	scores, a large group	of individuals is tested	l once at age 18	3 and again
at age 35. The following results are	obtained.			

$$\begin{array}{ll} \text{age 18:} & \text{average score} \approx 100, \quad \text{sd} \approx 15 \\ \text{age 35:} & \text{average score} \approx 100, \quad \text{sd} \approx 15, \quad r \approx 0.8 \end{array}$$





c) Predict the score at age 35 for an individual who scored 130 at age 18.