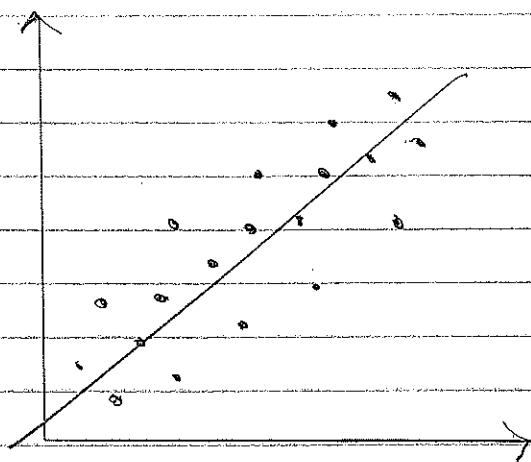


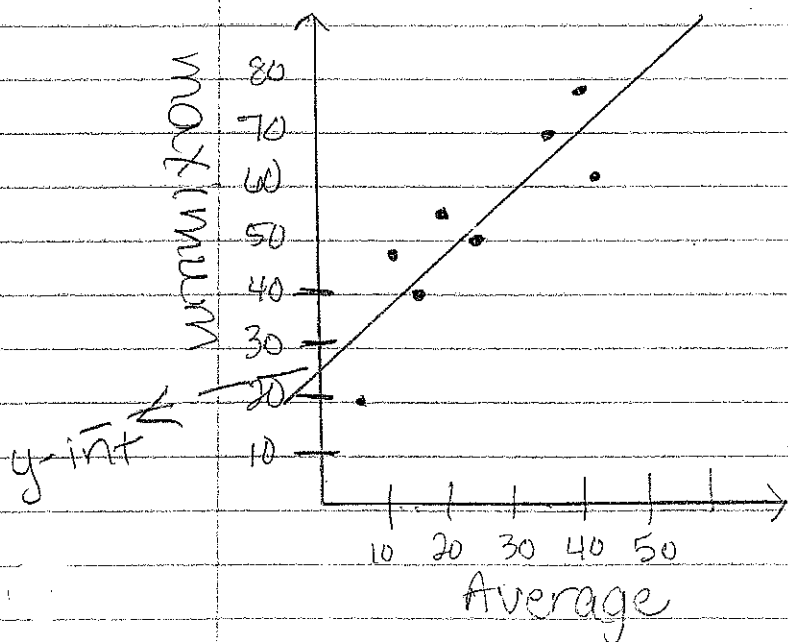
9.2 LINES OF BEST FIT



DEF.

A line through a scatter plot that best expresses the "average."

Average	x	12	25	15	8	35	40	41	20
max	Y	47	50	40	20	70	77	61	54



Positive slope:
strongish Y-int: 27

$(0, 27)$ $(20, 47)$

$$\frac{47 - 27}{20 - 0} = \frac{20}{20} \text{ rise over run}$$

$$\text{slope} = \frac{20}{20} = 1$$

$$y = mx + b$$

$$y = 1x + 27$$

$$y = x + 27$$