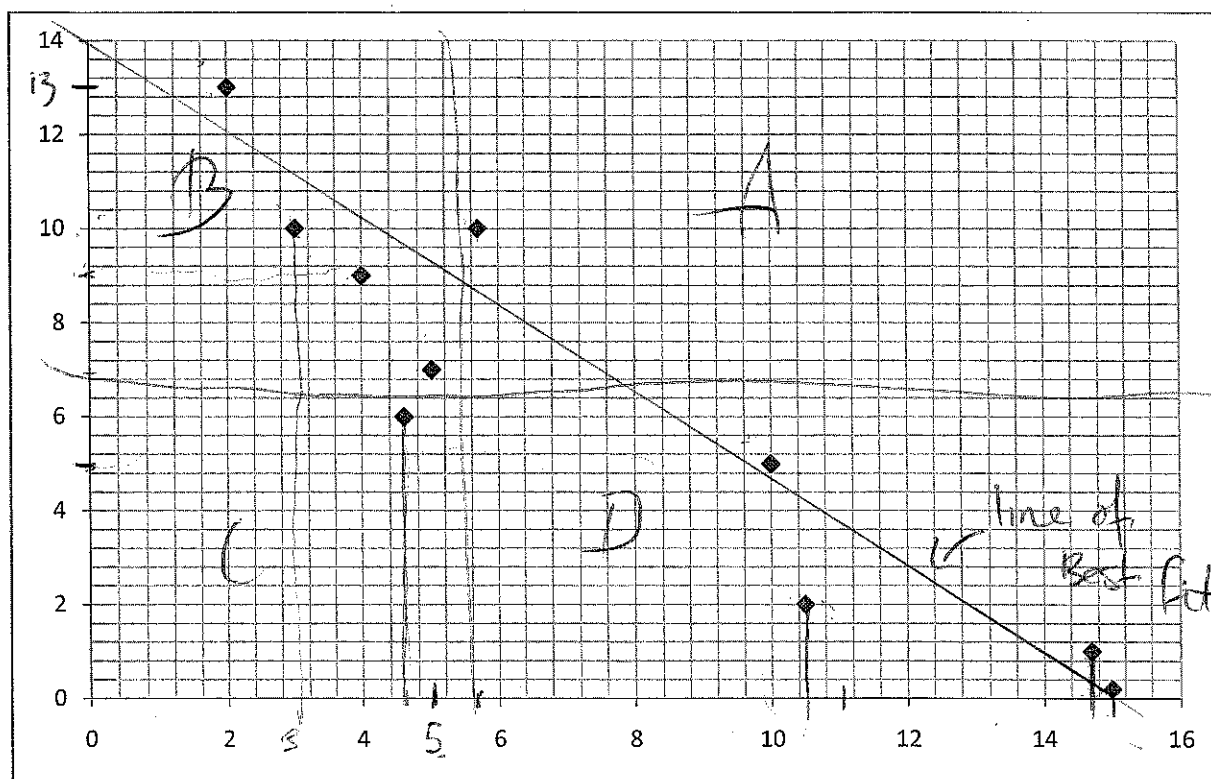


NAME:

POP TEST – Bivariate Statistics Revision Sheet



- 1) Use words that best describes the correlation of the above graph. (eg. weak, moderate, strong, linear, non-linear, positive, negative). (3)

negative moderate linear ~~positive~~

- 2) Finding the Correlations

- a. Find the Q-Correlation of the above graph. (3)

$$\frac{(2+2) - (4+4)}{10} = -0.6$$

- b. Describe the strength of the correlation by the value of Q obtained. (1)

negative moderate linear

- c. Find r (Pearson Correlation Co-efficient). (1)

$$-0.93$$

- d. Find r^2 and describe how this relates to the graph. (2)

$$\sim 0.86$$

86% of the time y depends on x