

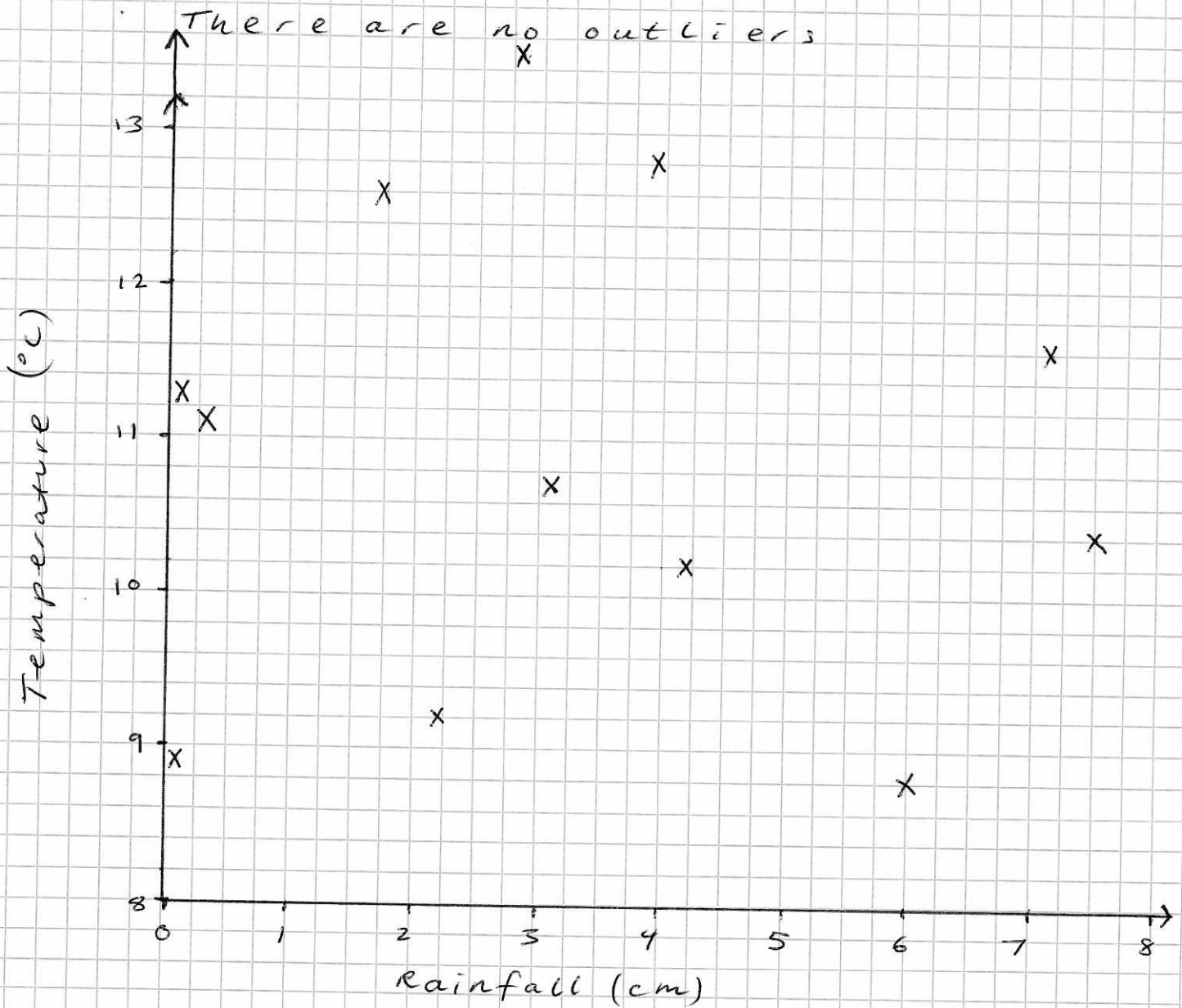
CORRELATION AND REGRESSION

1a) There is not rainfall every day and some days have a trace.

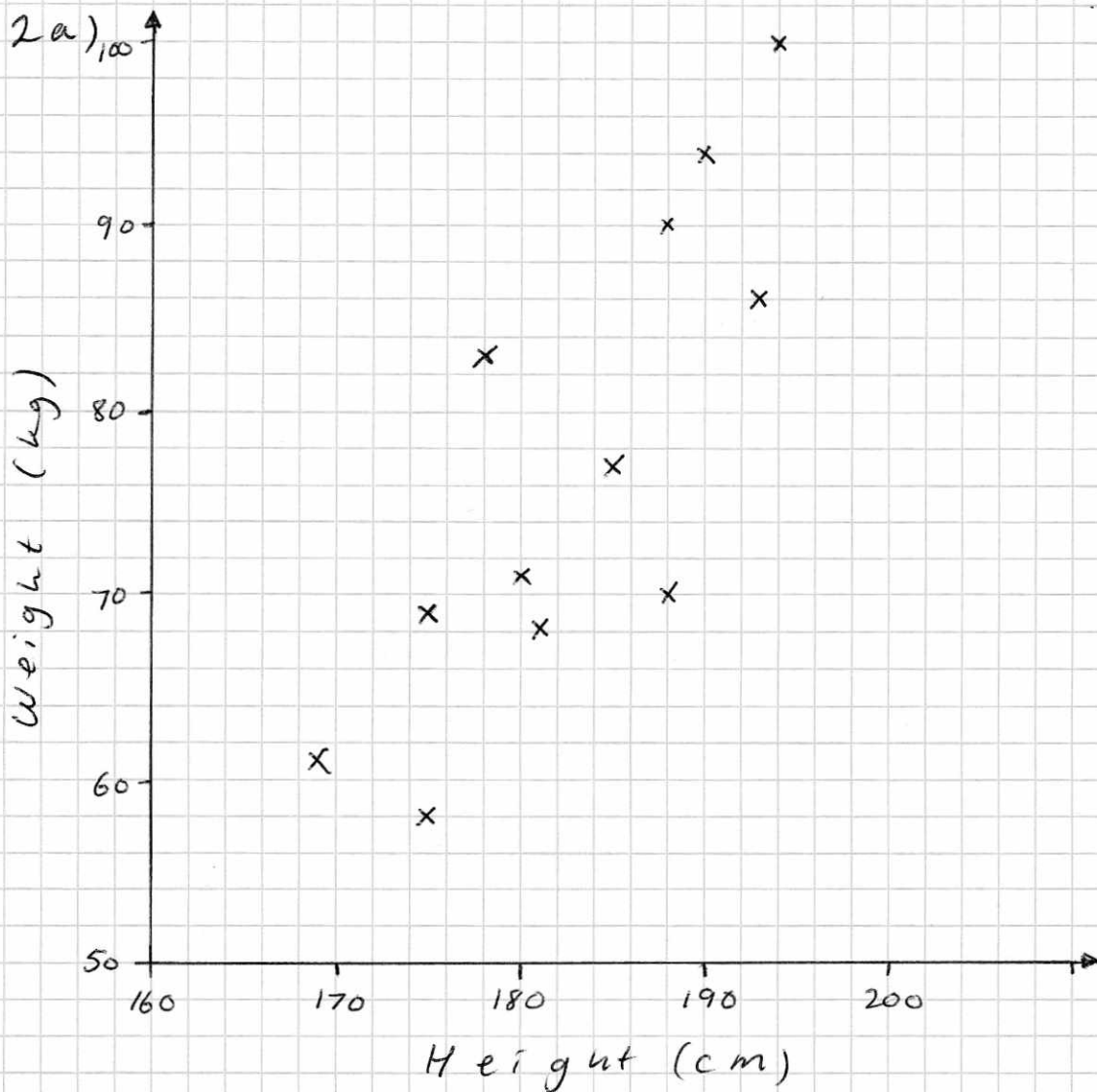
$$b) 1.35 - 1.5(4.65 - 1.35) = -3.6$$

$$4.65 + 1.5(4.65 - 1.35) = 9.6$$

There are no outliers



d) There is no correlation or a very weak correlation.



b) As the height increases the weight increases. (Positive correlation)

c) For every cm the height increases the weight increases by 1.37 kg.

$$d) w = 1.37(170) - 173$$

$$= \underline{\underline{59.9 \text{ kg}}}$$

e) It is reliable because 170 cm is within the range of data. (Interpolation)

3) For every 1°C the temperature increases the sunshine increases by 0.25 hours.