(b) The student calculates the force each mass applies to the spring.

The table shows the student's results.

Force in N	Extension in cm
0.0	0.0
1.0	2.5
2.0	5.0
3.0	9.8
4.0	10.0
5.0	12.5
6.0	15.5
7.0	19.5

(i) Plot the student's results.

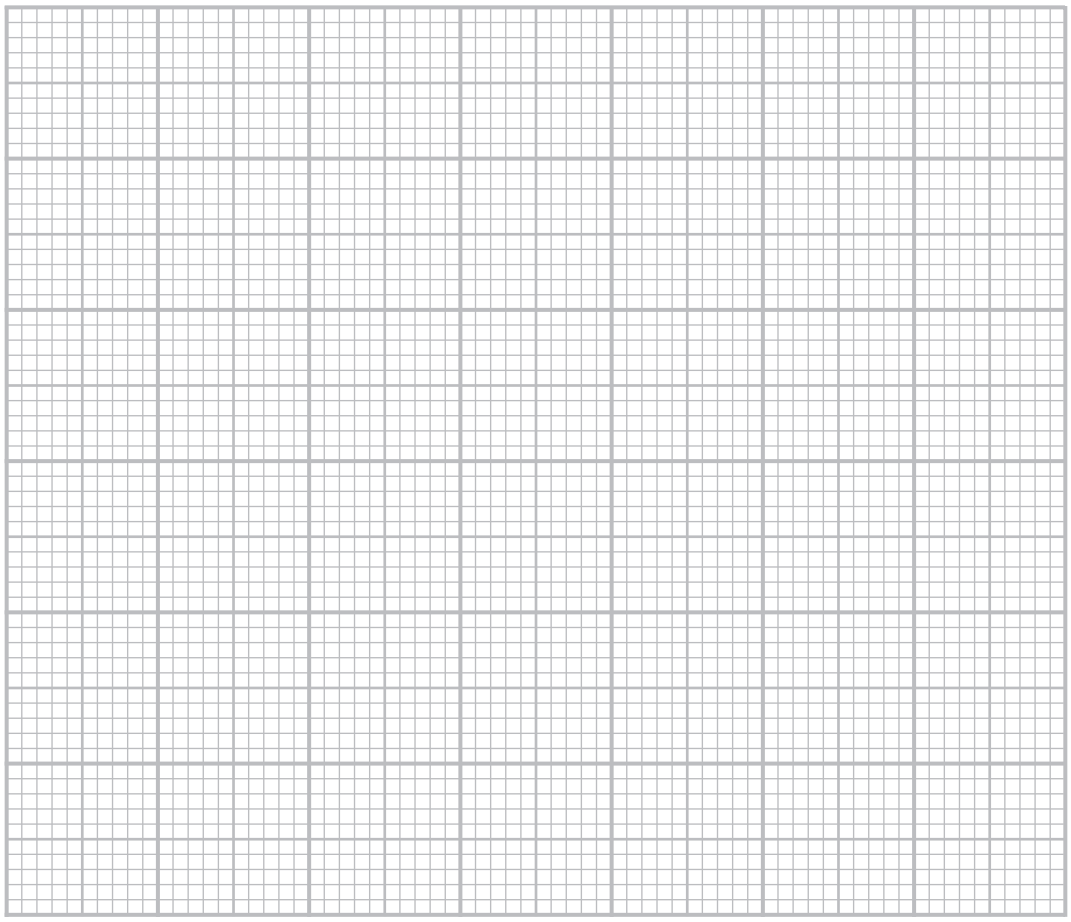
(3)

(ii) Draw a circle around the anomalous point.

(1)

(iii) Draw a line of best fit.

(1)



(iv) Explain whether the spring obeys Hooke's Law.

(3)

(Total for Question 9 = 13 marks)