Line of best fit

235

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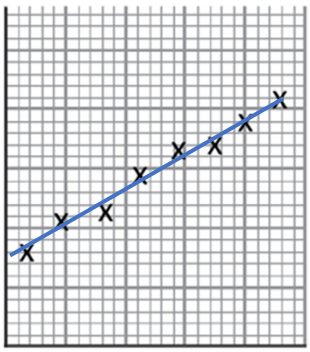
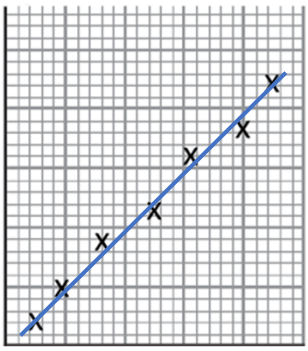
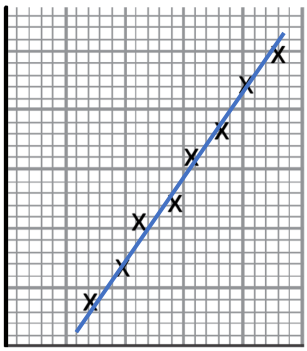
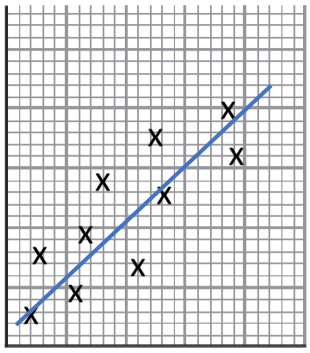
Name:

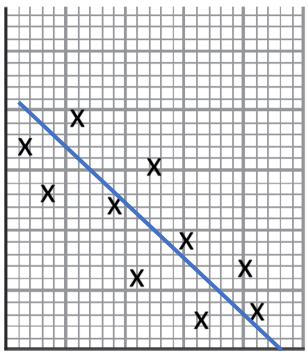
Draw a line of best fit on each of the graphs shown:

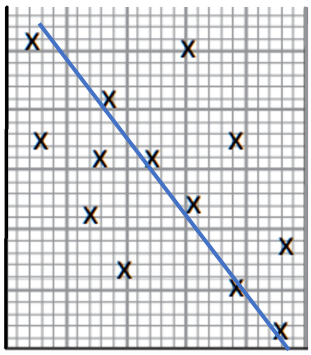
a) 

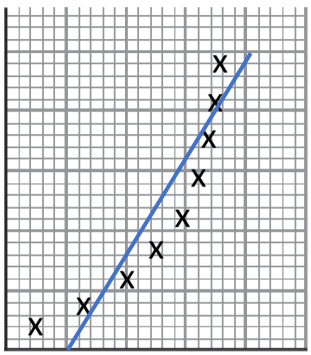
b) 

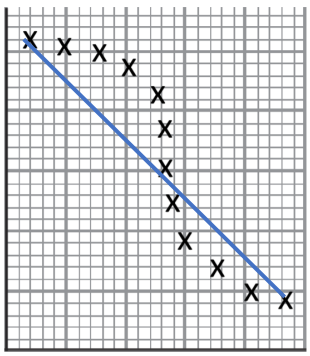
c) 

d) 

e) 

f) 

g) 

h) 

Using the information given in the graph to:

a) draw a line of best fit on the graph.

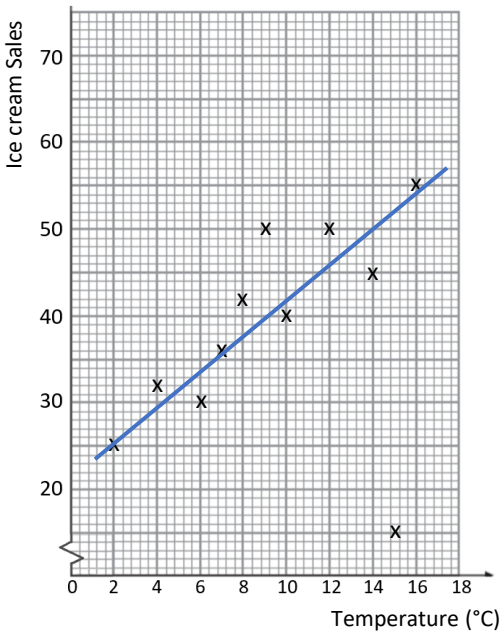
b) find the number of ice cream sales when it was 10°C **40**

c) find the number of ice cream sales when it was 16°C **55**

d) find the temperature when 45 ice creams were sold **14°C**

e) explain the "trend" that is being displayed by the graph

As the temperature increases so do ice cream sales



Using the scatter graph provided estimate:

g) The number of sales when the temperature is 13°C **48**

h) The temperature when 35 ice creams are sold **6.8°C**

i) The temperature when 25 ice creams are sold **1°C**

j) Explain why the answer for i) may be unreliable? **The estimate lies outside the data range**

Exam question:

The scatter graph shows the average summer-time temperature from 2000 to 2010

a) Draw a line of best fit

b) Estimate the average summer-time temperature in 2007 **25°C**