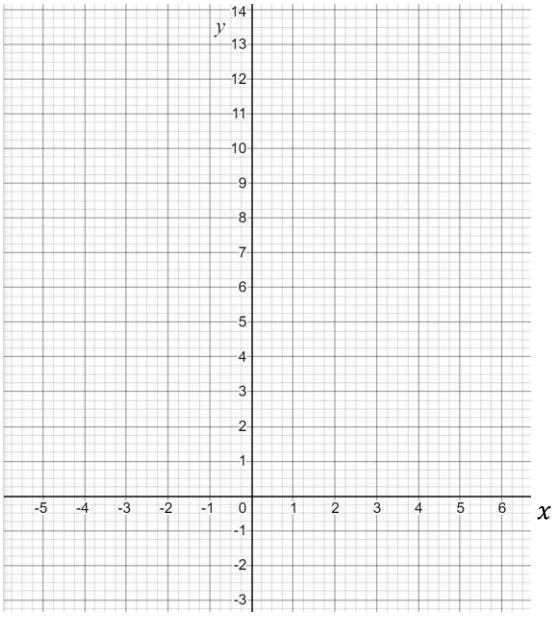
Linear Graphs Exam Practice

Q1.a) Complete the table of values for $y = 3x + 4$: [2]

x	-2	-1	0	1	2	3
y						

b) Draw the graph of $y = 3x + 4$

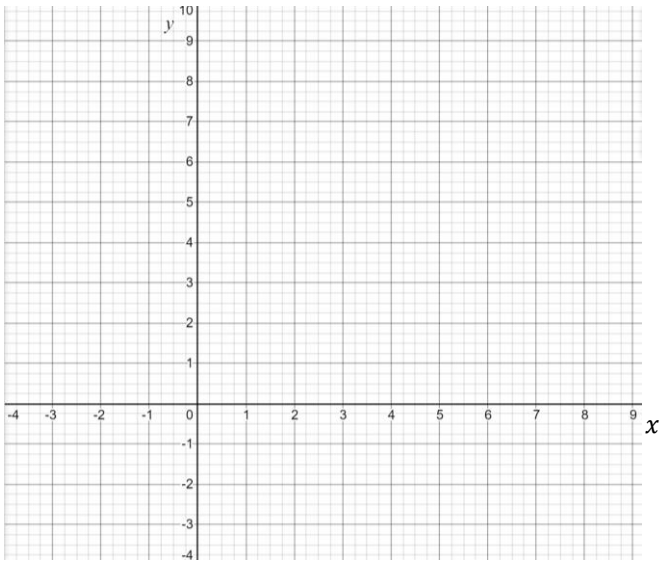


[2]

Q2.a) Complete the table of values for $y = 6 - x$: [2]

x	-2	-1	0	1	2	3
y						

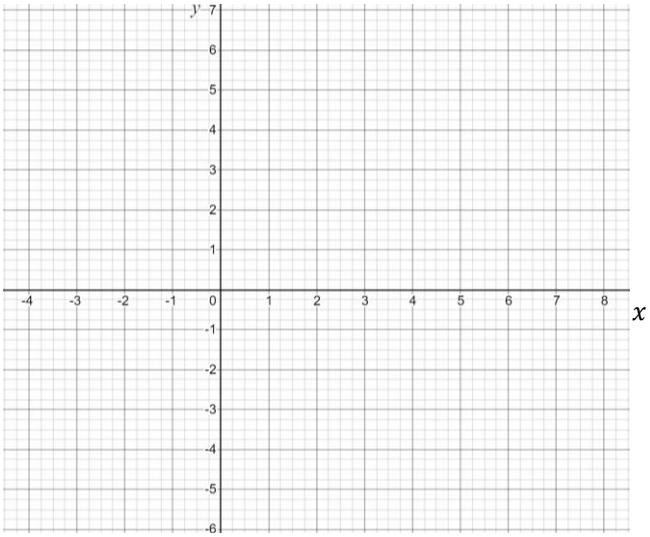
b) Draw the graph of $y = 6 - x$



Q3.a) Complete the table of values for $y = \frac{1}{2}x - 3$: [2]

x	-2	-1	0	1	2	3
y						

b) Draw the graph of $y = \frac{1}{2}x - 3$

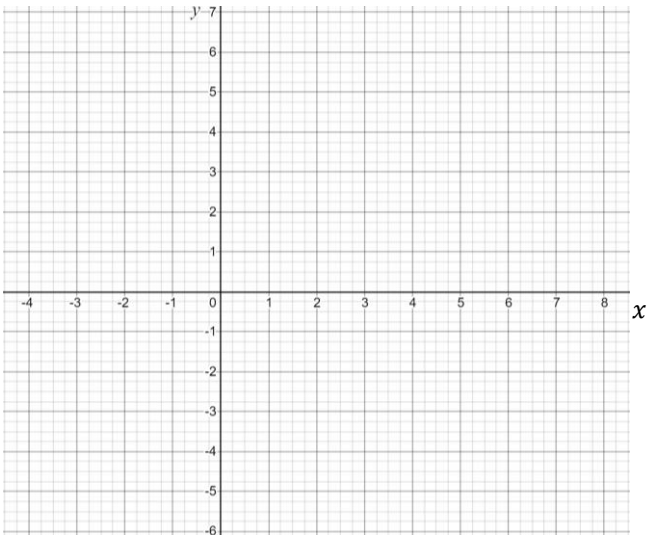


[2]

Q4.a) Complete the table of values for $y = 8 - 3x$: [2]

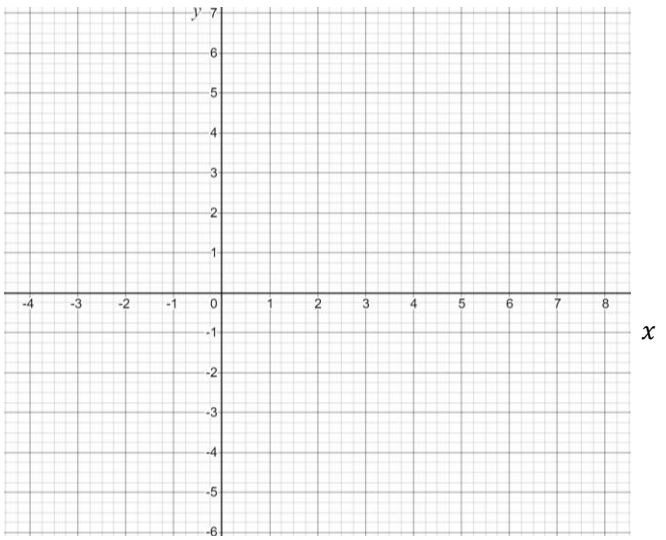
x	-2	-1	0	1	2	3
y						

b) Draw the graph of $y = 8 - 3x$



[2]

Q5. a) Draw the graph of $x + y = -2$ on the grid below: [3]

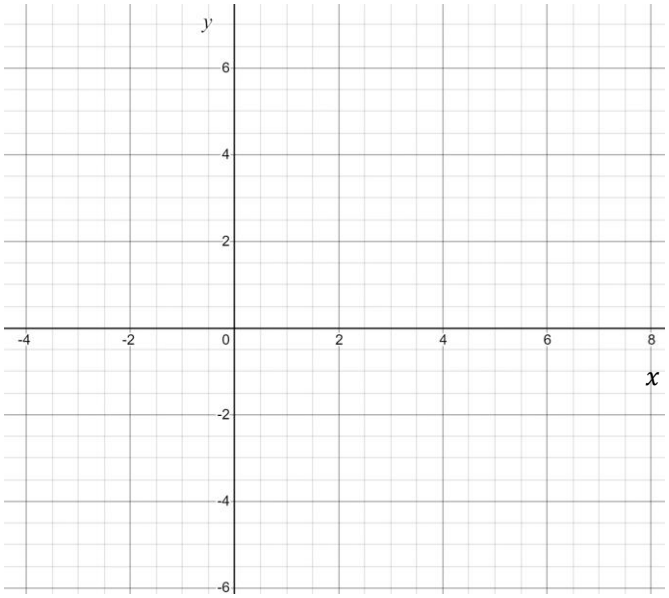


b) Draw the graph to estimate the value of y when $x = -3.5$

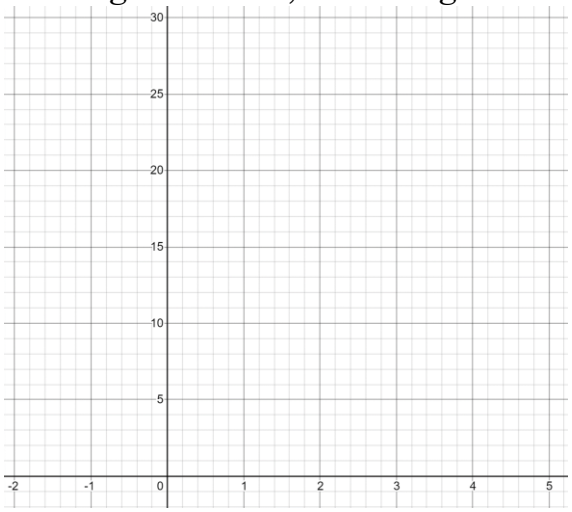
[2]

Q6. Draw the graph of $2y - 6x + 8 = 0$ on the grid below:

[3]



Q7.a) It costs £7.50 an hour to hire a pair of skis. There is also a deposit of £10. Draw a graph to show this information on the grid below, labelling both axes.

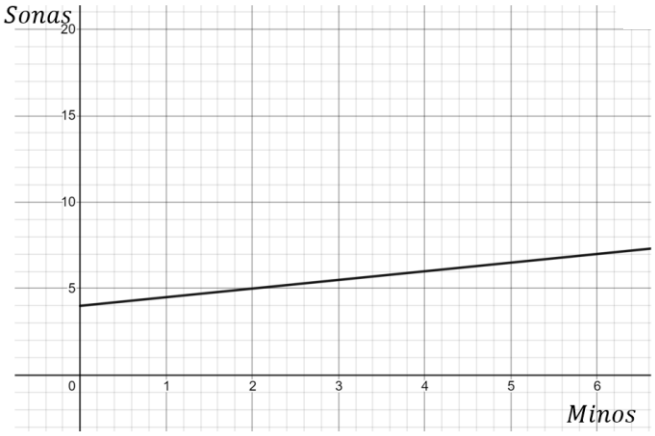


[2]

b) Use your graph to work out how many hours Bob skied if he paid £25

[2]

Q8. Below is a currency conversion graph used at an exchange bureau to convert *Minos* into *Sonas*.



a) State the fixed charge for using the service. [2]

b) Work out how many Sonas are worth 402 Minos [3]