



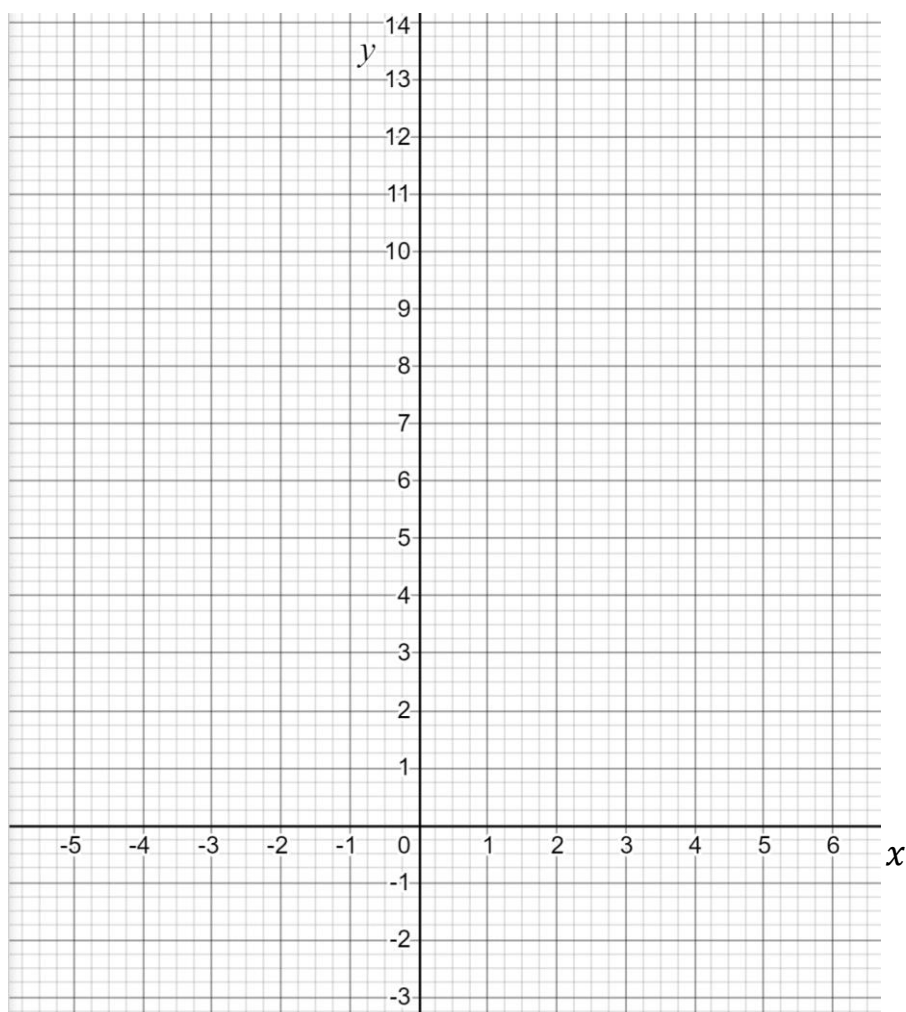
Linear Graphs Exam Practice

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

| | | | | | | |
|-----|----|----|---|---|---|---|
| x | -2 | -1 | 0 | 1 | 2 | 3 |
| y | | | | | | |

Answer: _____
(2 marks)

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



Answer: _____
(2 marks)

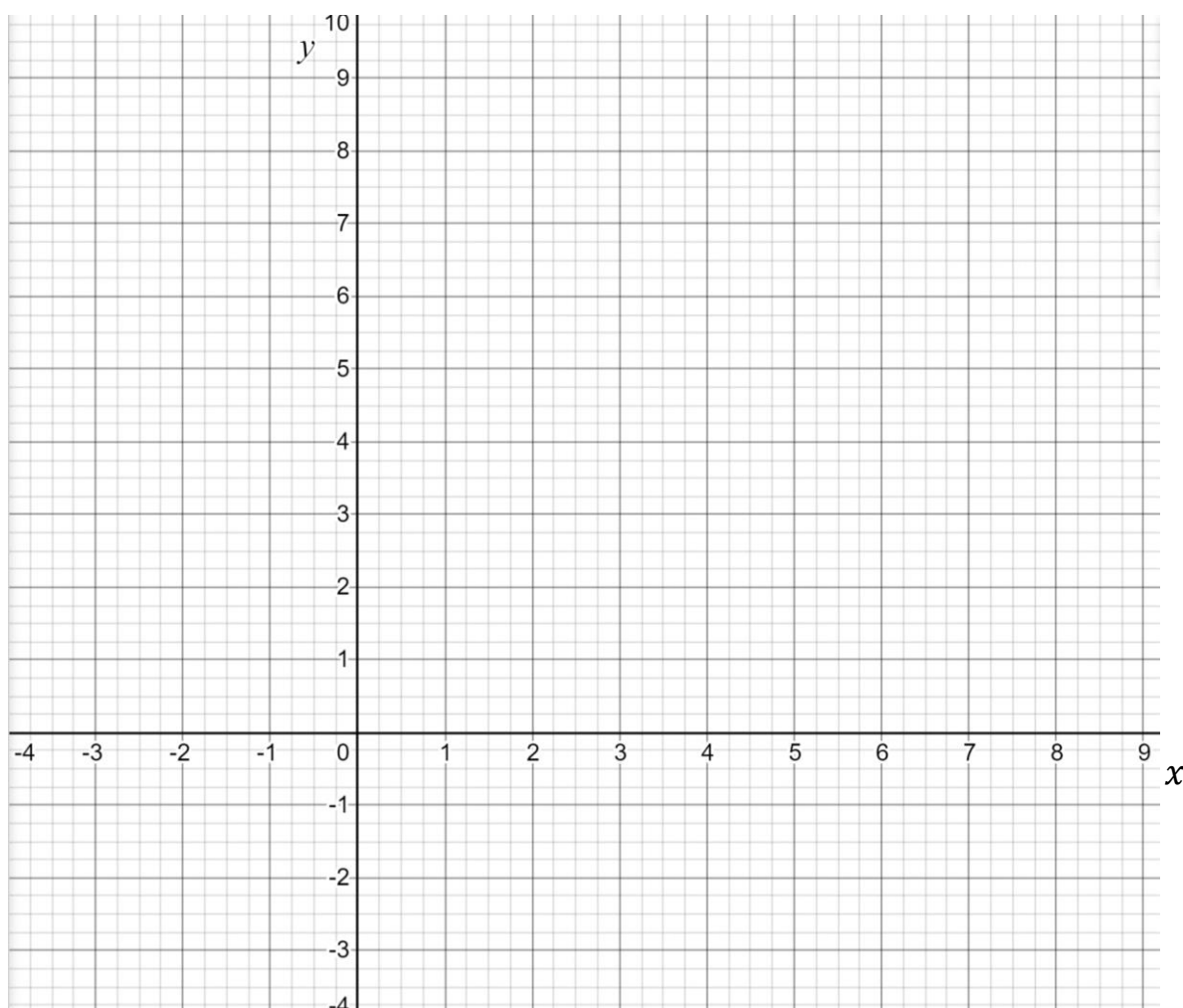


Q2. a) Complete the table of values for $y = 6 - x$:

| | | | | | | |
|-----|----|----|---|---|---|---|
| x | -2 | -1 | 0 | 1 | 2 | 3 |
| y | | | | | | |

Answer: _____
(2 marks)

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



Answer: _____
(2 marks)

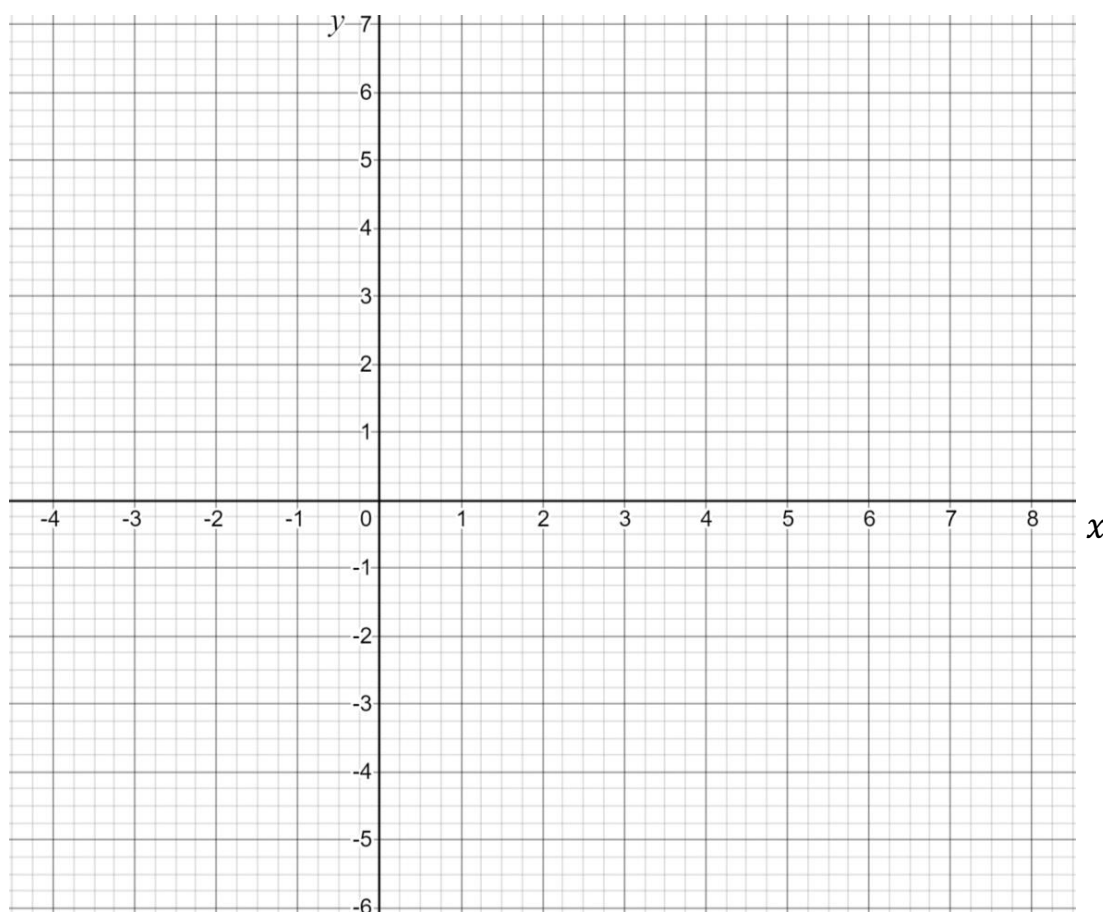


Q3. a) Complete the table of values for $y = \frac{1}{2}x - 3$:

| | | | | | | |
|-----|----|----|---|---|---|---|
| x | -2 | -1 | 0 | 1 | 2 | 3 |
| y | | | | | | |

Answer: _____
(2 marks)

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



Answer: _____
(2 marks)

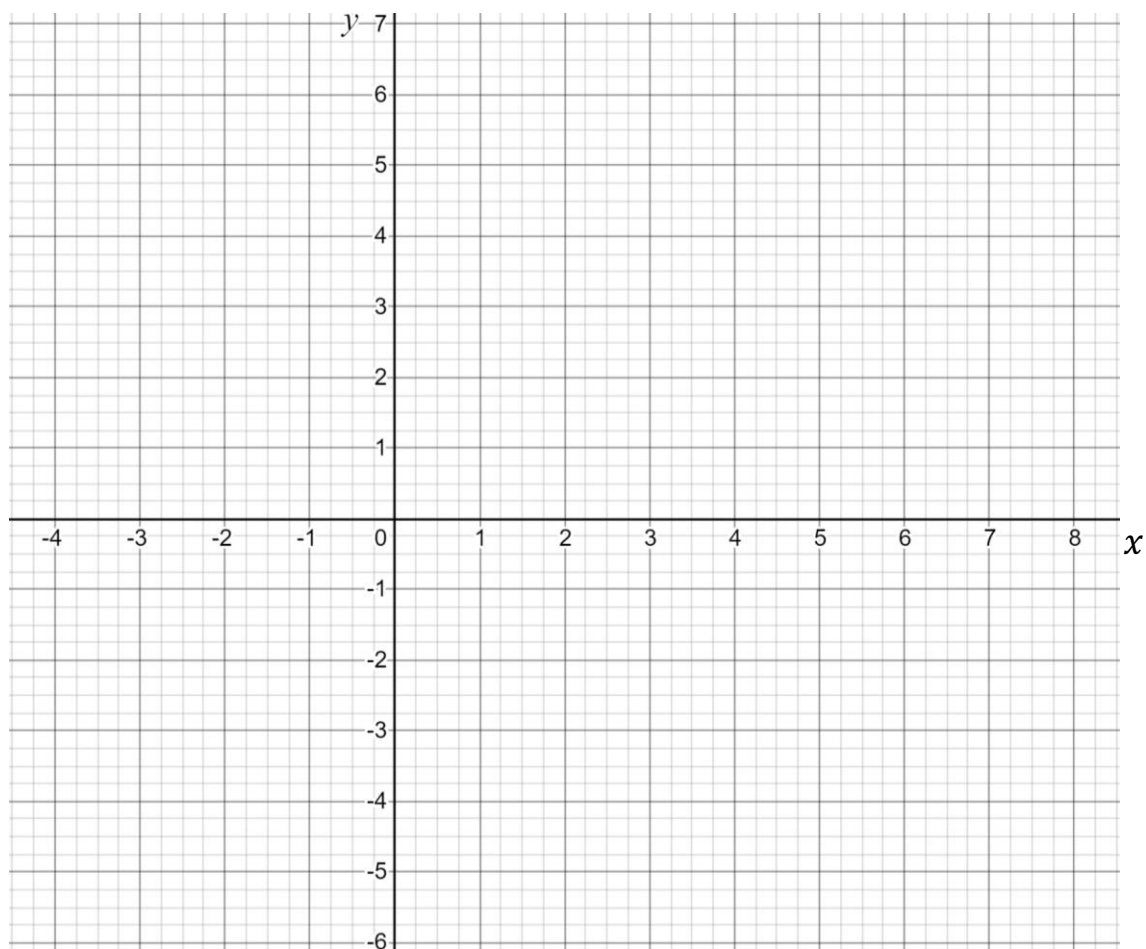


Q4. a) Complete the table of values for $y = 8 - 3x$:

| | | | | | | |
|-----|----|----|---|---|---|---|
| x | -2 | -1 | 0 | 1 | 2 | 3 |
| y | | | | | | |

Answer: _____
(2 marks)

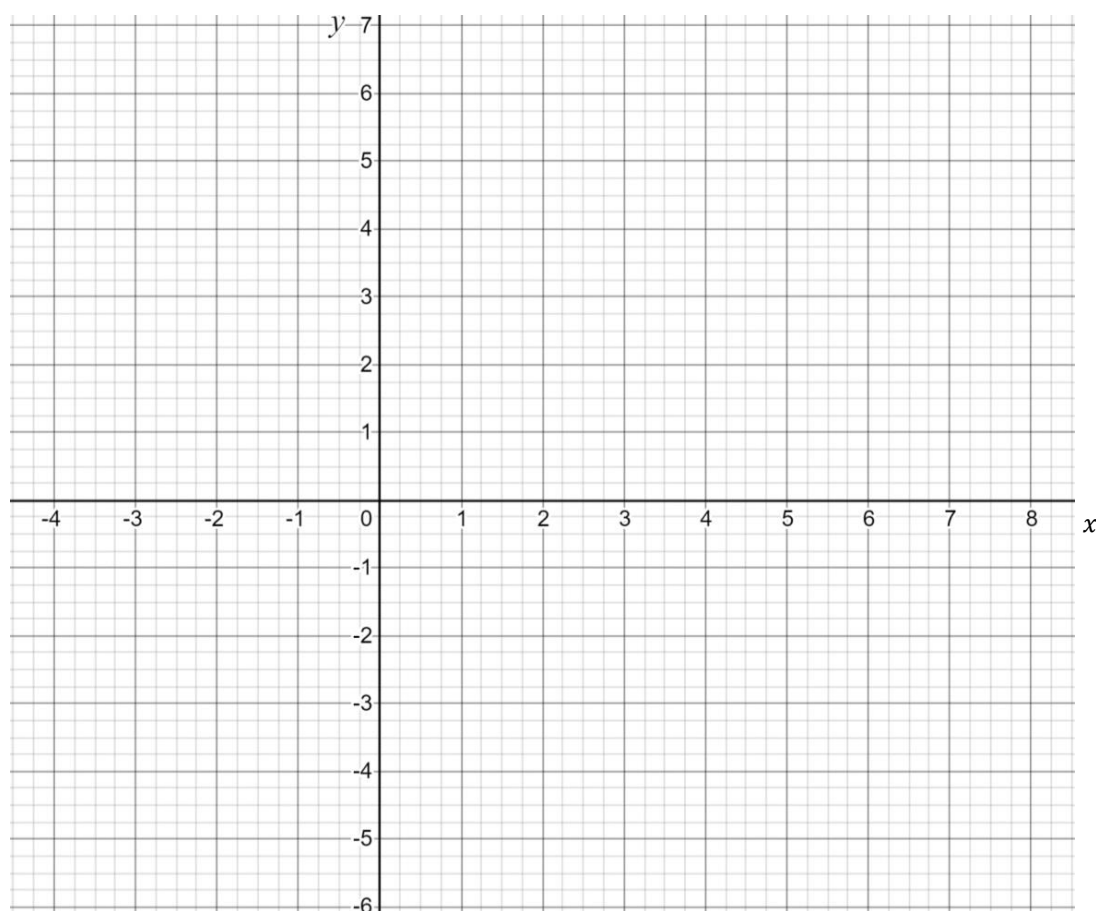
b) Draw the graph of $y = 8 - 3x$



Answer: _____
(2 marks)



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



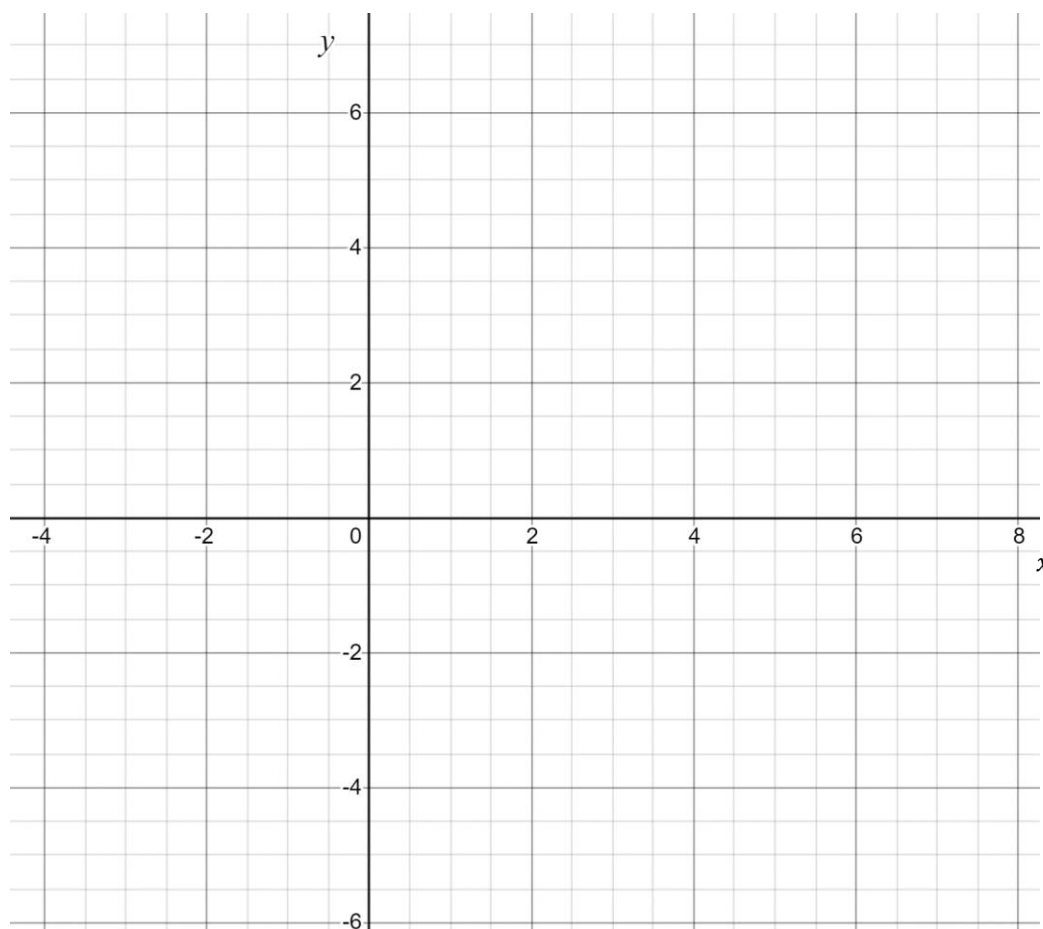
Answer: _____
(3 marks)

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

Answer: _____
(2 marks)



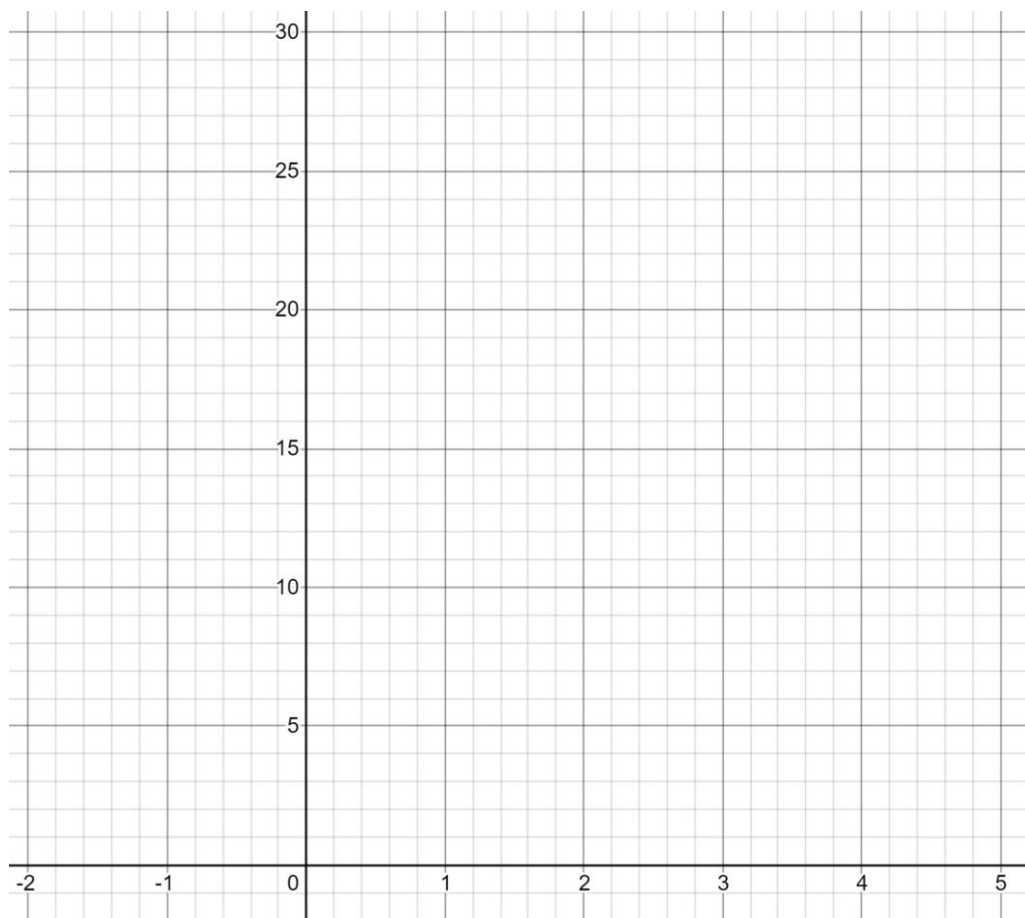
Q6. Draw the graph of $2y - 6x + 8 = 0$ on the grid below:



Answer: _____
(3 marks)



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.



Answer: _____
(2 marks)

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

Answer: _____
(2 marks)



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.

Answer: _____
(2 marks)

b) Work out how many Sonas are worth 402 Minos

Answer: _____
(3 marks)