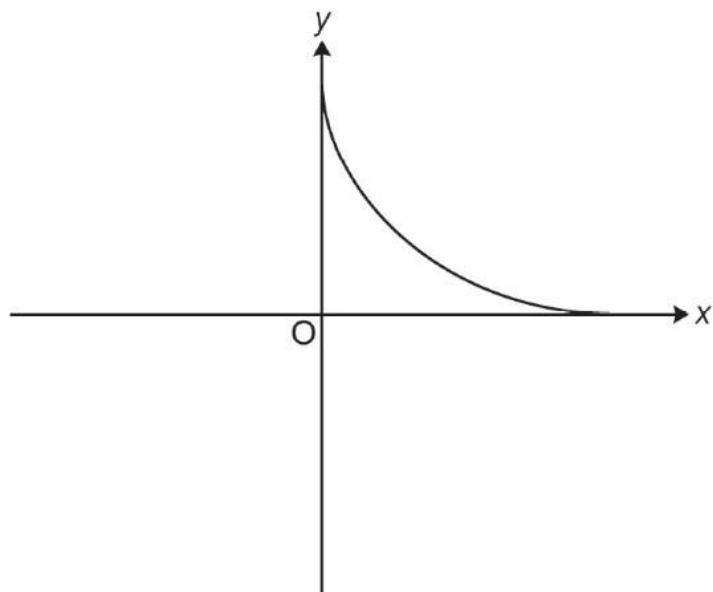

A38...Reciprocal Graphs

OCR

(b) Toby has sketched the graph of $y = \frac{1}{x}$ below.

A38



Make two comments about the accuracy of his sketch.

1

.....

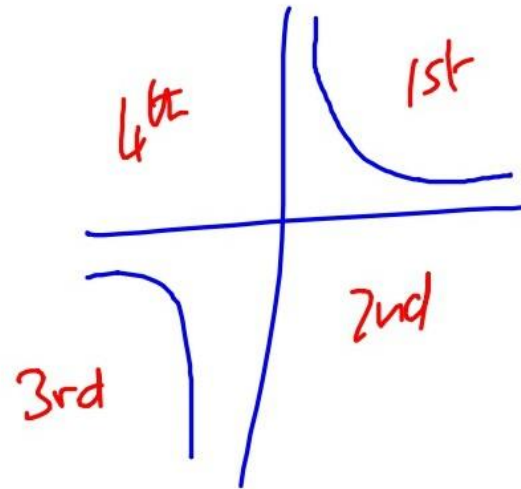
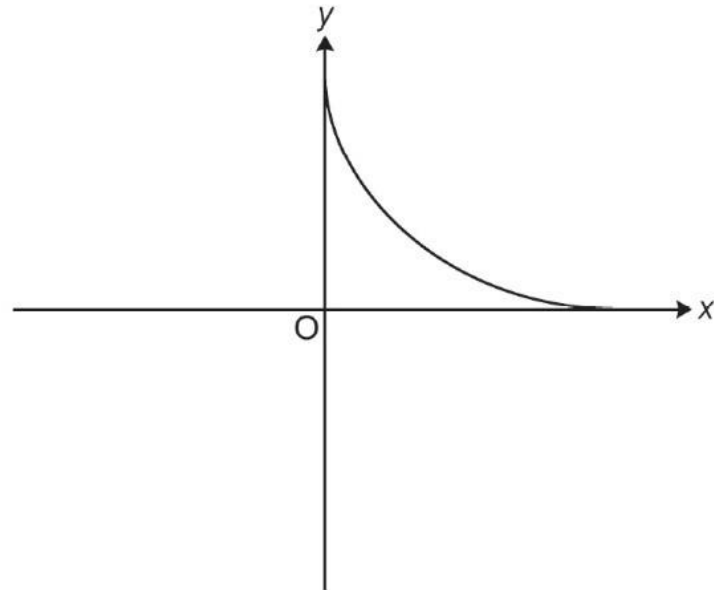
2

.....

[2]

(b) Toby has sketched the graph of $y = \frac{1}{x}$ below.

A38



Make two comments about the accuracy of his sketch.

1 graph should not touch the x or y axis

2 also missing graph in 3rd quadrant

8 (a) Complete the table for $y = \frac{6}{x}$.

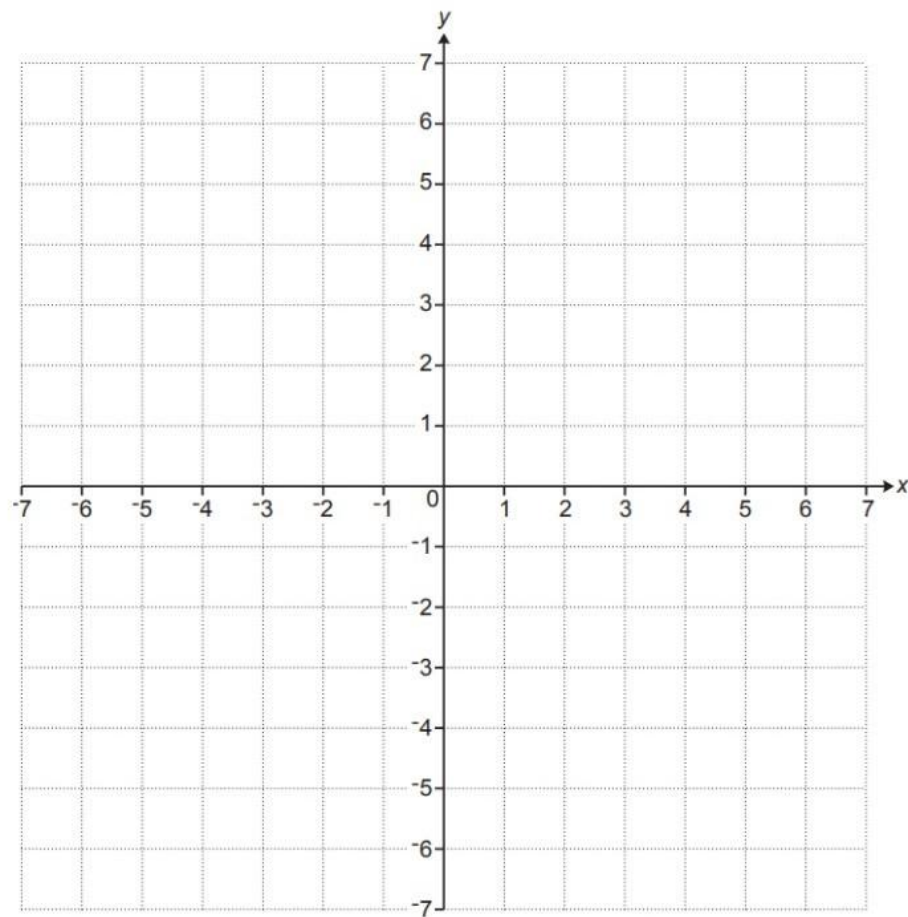
A38

x	-6	-3	-2	-1	1	2	3	6
y	-1	-2		-6	6	3	2	1

[1]

(b) Draw the graph of $y = \frac{6}{x}$ for $-6 \leq x \leq 6$, $x \neq 0$.

[3]



8 (a) Complete the table for $y = \frac{6}{x}$.

A38

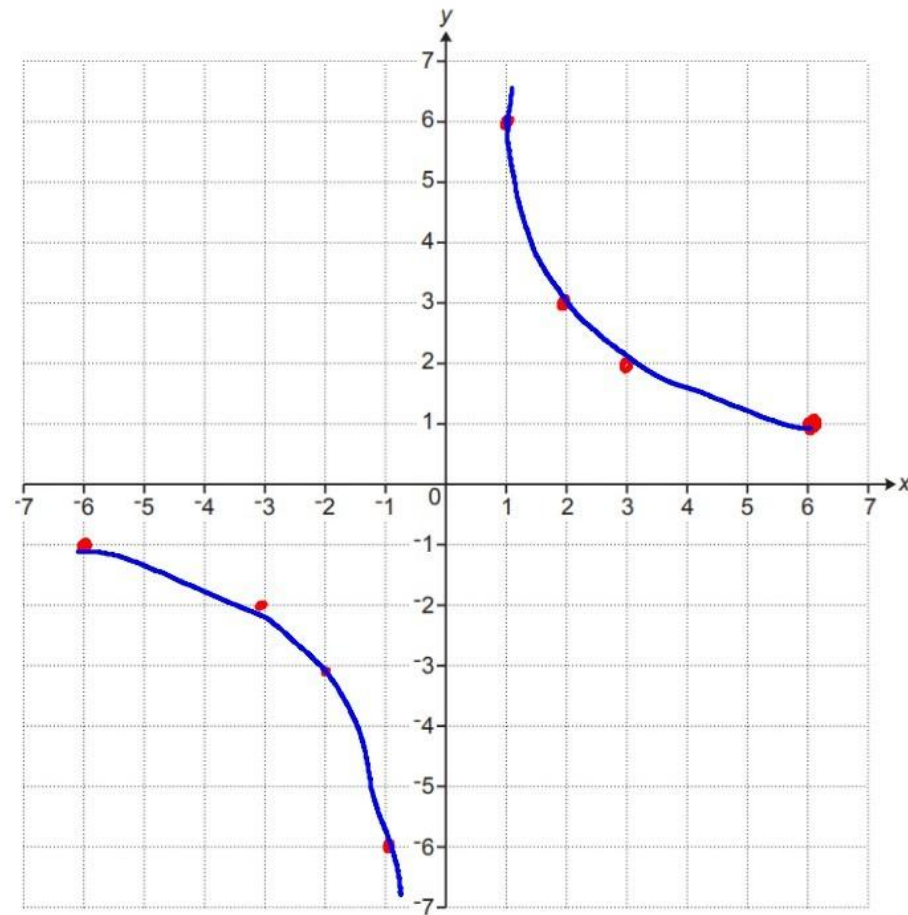
x	-6	-3	-2	-1	1	2	3	6
y	-1	-2	-3	-6	6	3	2	1

[1]

$$\frac{6}{-2} = -3$$

(b) Draw the graph of $y = \frac{6}{x}$ for $-6 \leq x \leq 6$, $x \neq 0$.

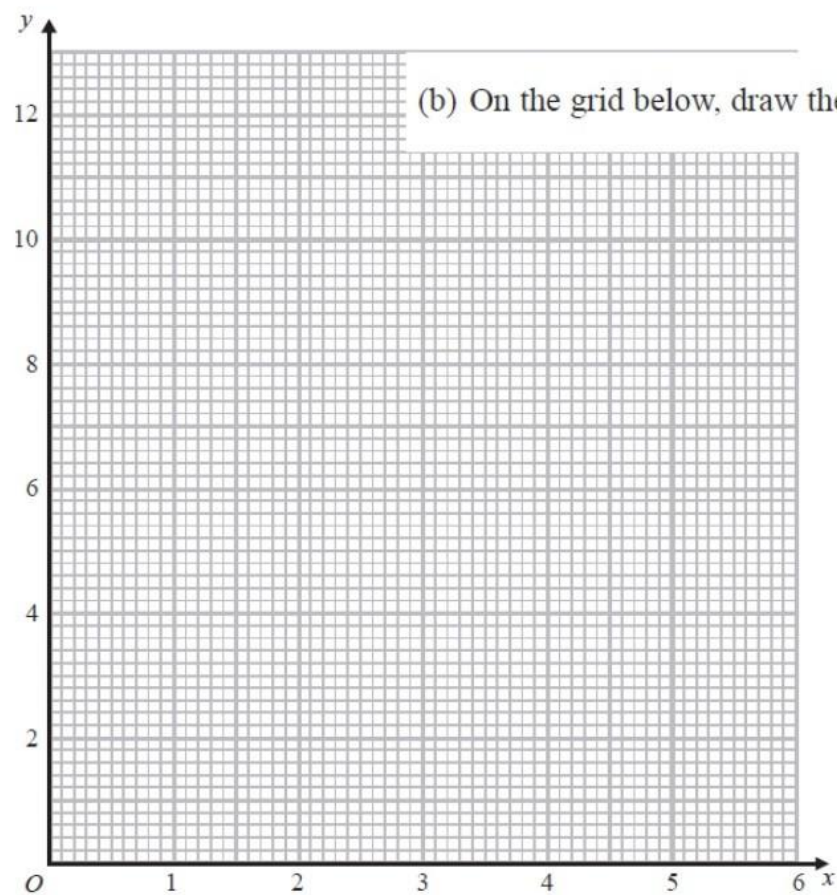
[3]



Edexcel

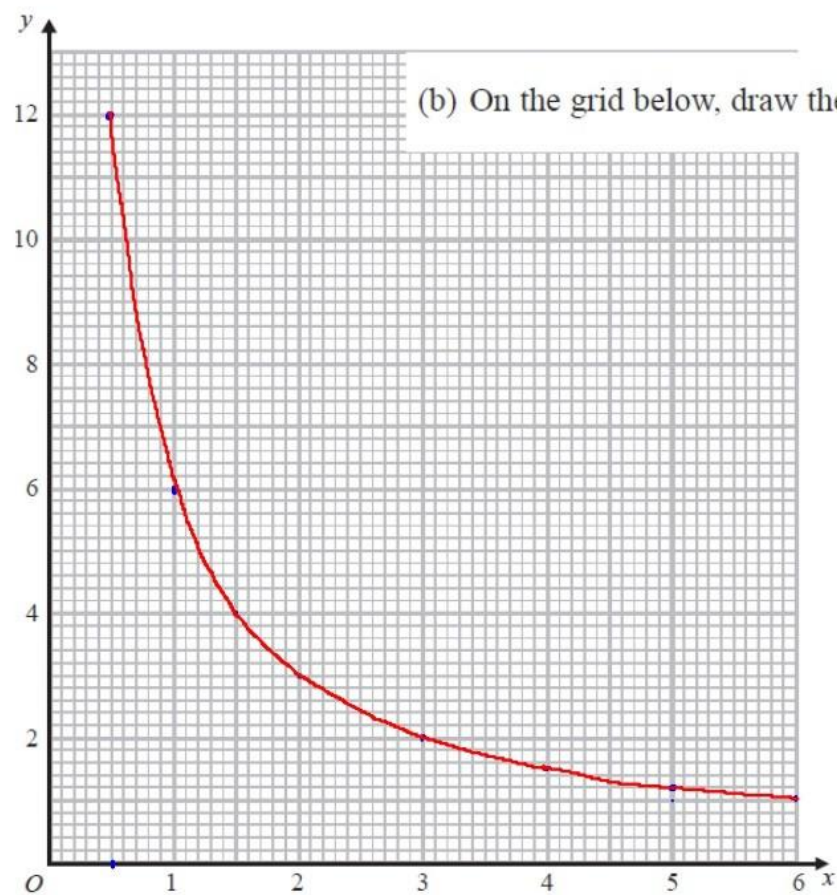
22 (a) Complete the table of values for $y = \frac{6}{x}$

x	0.5	1	1.5	2	3	4	5	6
y		6		3		1.5		



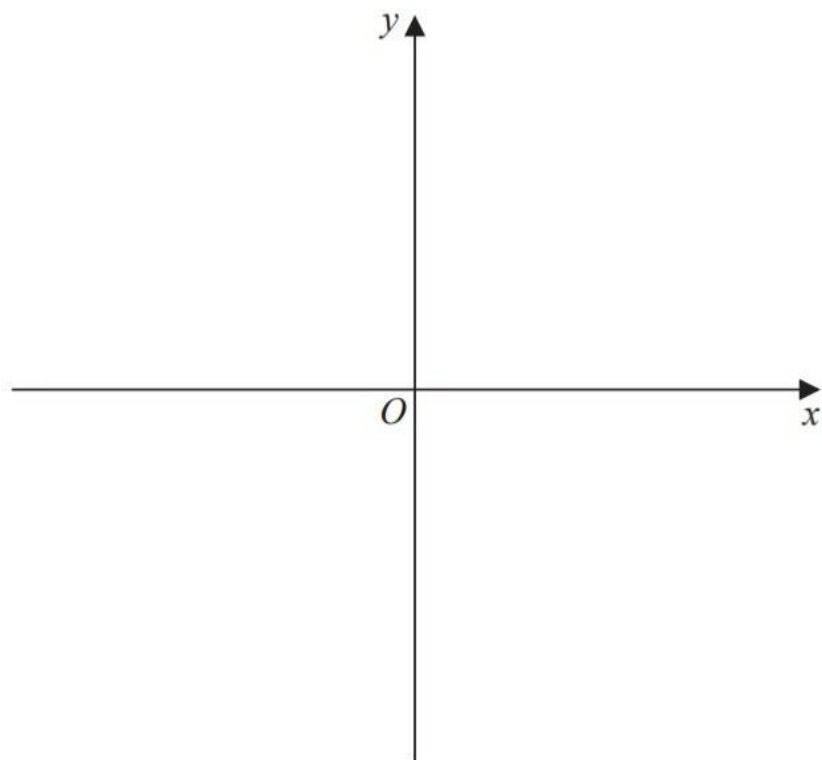
22 (a) Complete the table of values for $y = \frac{6}{x}$

x	0.5	1	1.5	2	3	4	5	6
y	12	6	4	3	2	1.5	1.2	1



28 Sketch the graph of $y = \frac{1}{x}$

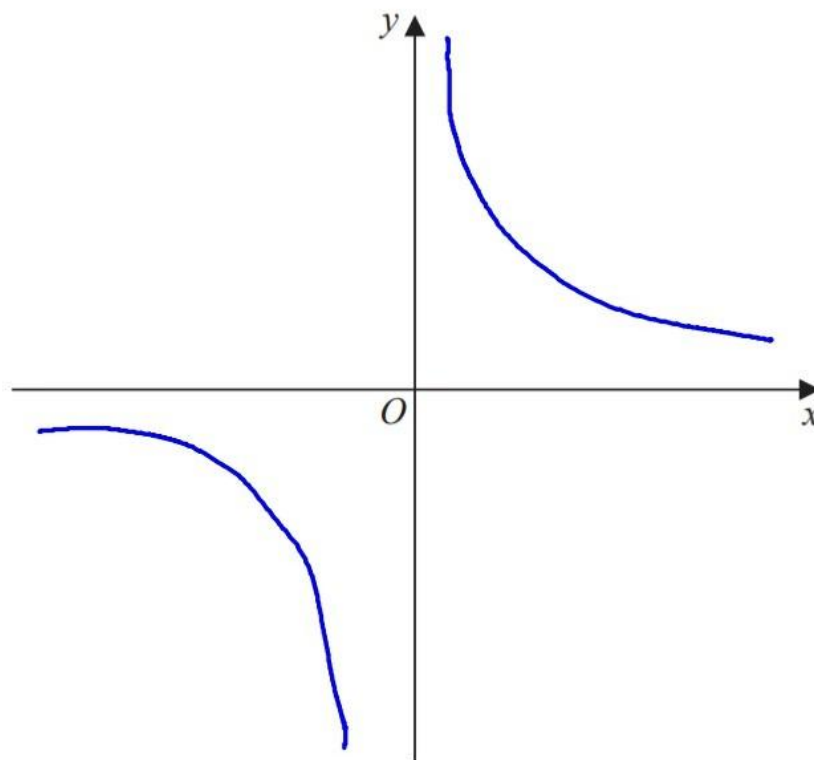
A38



(Total for Question 28 is 2 marks)

28 Sketch the graph of $y = \frac{1}{x}$

A38



(Total for Question 28 is 2 marks)

AQA

21 (a) Circle the point that is on the graph of $y = \frac{1}{x}$

A6

A38

[1 mark]

(−1, 1)

(0.3, 3)

(0.8, 0.2)

(2.5, 0.4)

21 (a) Circle the point that is on the graph of $y = \frac{1}{x}$

A6

A38

$$\begin{array}{cc} x & y \\ (-1, 1) \end{array}$$

$$1 = \frac{1}{-1}$$

X

$$\begin{array}{cc} x & y \\ (0.3, 3) \end{array}$$

$$3 = \frac{1}{0.3}$$

X

$$\begin{array}{cc} x & y \\ (0.8, 0.2) \end{array}$$

$$0.2 = \frac{1}{0.8}$$

X

$$\begin{array}{cc} x & y \\ (2.5, 0.4) \end{array}$$

$$0.4 = \frac{1}{2.5}$$

✓

[1 mark]