

Cubic and Reciprocal Graphs



- 1) a) Complete this table of values for

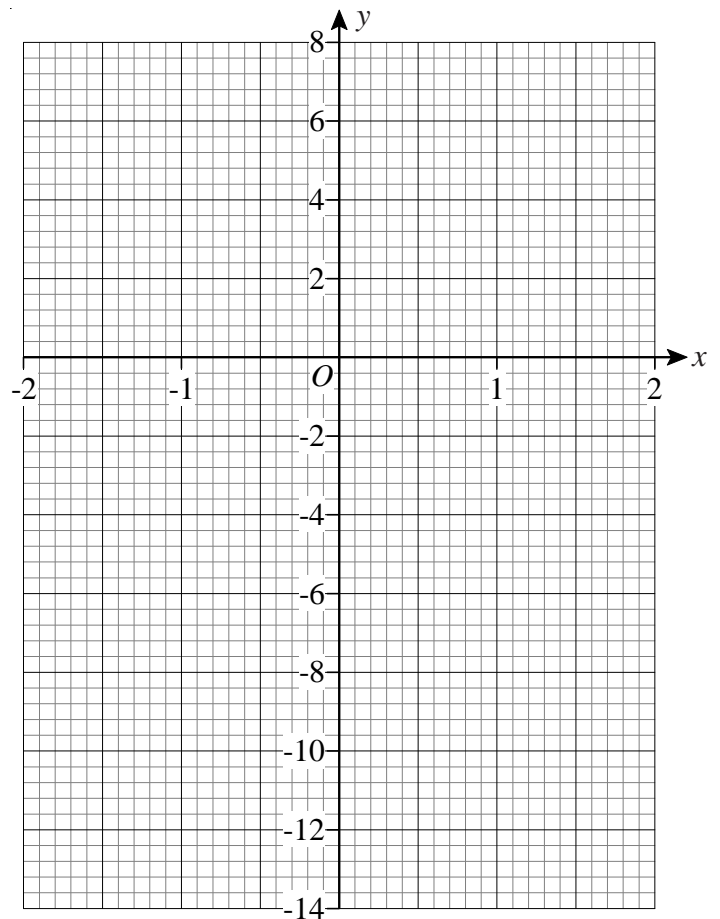
$$y = x^3 + x - 4$$

x	-2	-1	0	1	2
y	-14			-2	

- b) On the grid, draw the graph of

$$y = x^3 + x - 4$$

- c) Use the graph to find the value of
- x
- when
- $y = 2$



- 2) a) Complete this table of values for

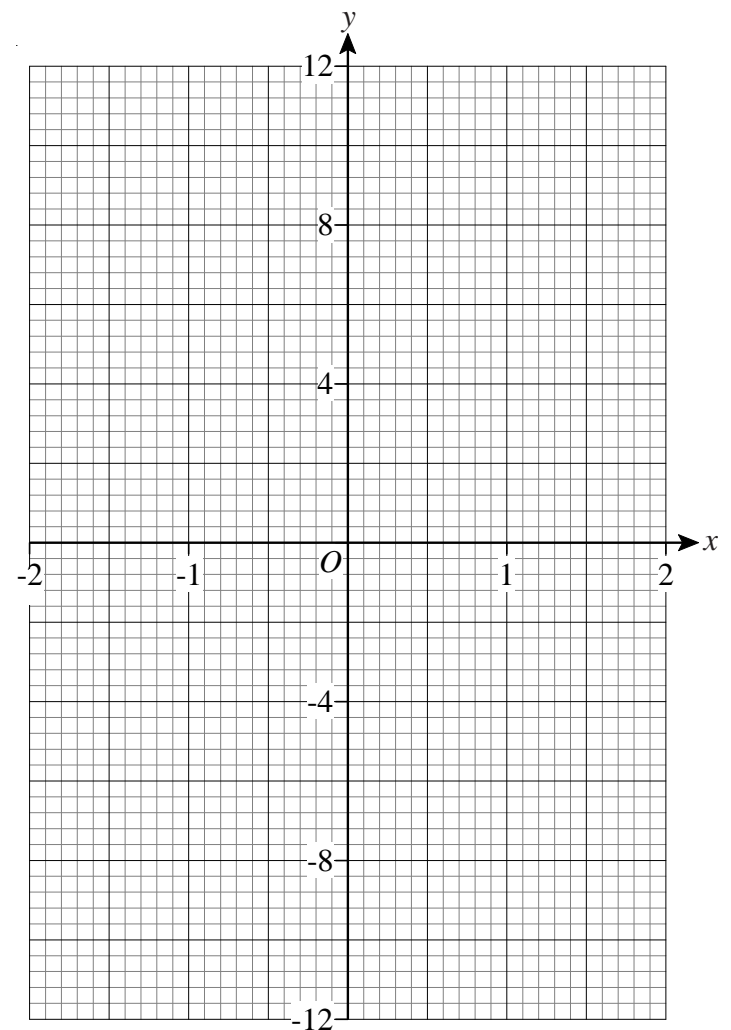
$$y = x^3 + 2x$$

x	-2	-1	0	1	2
y	-12		0		

- b) On the grid, draw the graph of

$$y = x^3 + 2x$$

- c) Use the graph to find the value of
- x
- when
- $y = -6$



- 3) Sketch the graph of
- $y = 1 + \frac{1}{x}$