

## GRAPHS ASSIGNMENT

Q1 Sketch the graph of  $y = \frac{1}{x}$  between  $x = 1$  and  $x = 10$

**Step 1:** Create the table of values.

**Step 2:** Plot the points given by the table of values. Then join the points up with a smooth curve.

Q2 Sketch the following graphs:

A)  $y = 2x^2 + x + 2$  between  $x = -3$  and  $x = 2$ .

B)  $y = 3x - 6$  between  $x = 0$  and  $x = 5$ .

C)  $y = x^3 + 2x + 1$  between  $x = -3$  and  $x = 3$ .

D)  $y = 3x^3 + 2x^2 + x$  between  $x = -5$  and  $x = 1$ .

E)  $y = 5x + 3$  between  $x = -10$  and  $x = 10$ .

F)  $y = \frac{1}{x} + 2$  between  $x = -5$  and  $x = 5$ .

g)  $y = \frac{1}{2x}$  between  $x = -1$  and  $x = 4$ .

h)  $y = x^2 - 4x + 1$  between  $x = -1$  and  $x = 4$ .