

- 6 (a) The diagrams show five different graphs. In each case the whole of the graph is shown.

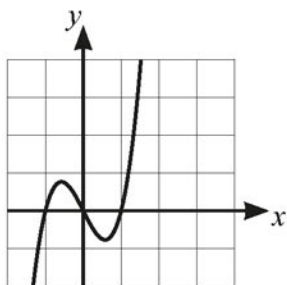


Fig. 1.1

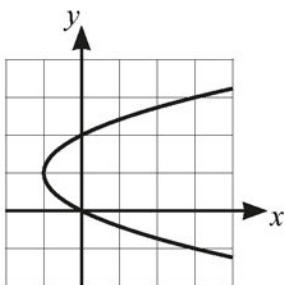


Fig. 1.2

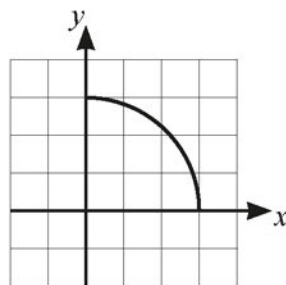


Fig. 1.3

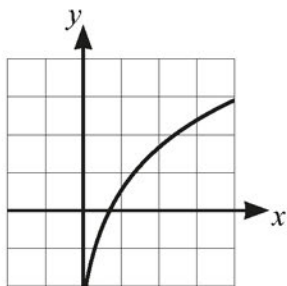


Fig. 1.4

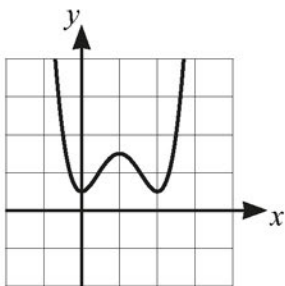


Fig. 1.5

Place ticks in the boxes in the table in the Printed Answer Booklet to indicate, for each graph, whether it represents a one-one function, a many-one function, a function that is its own inverse or it does not represent a function. There may be more than one tick in some rows or columns of the table. [4]

- (b) A function f is defined by $f(x) = \frac{1}{x}$ for the domain $\{x: 0 < x \leq 2\}$.

State the range of f , giving your answer in set notation. [2]