## Mark schemes

Q1.
(a) Graph of $y \neq x 3$

Must be in 1st and 3rd quadrants.
(b) Graph of $y \neq x^{2}+3$

3 need not be marked as long as graph is roughly symmetrical and crosses y-axis above origin
(c) Graph of $y=\frac{1}{x}$

Must be in 1st and 3rd quadrants

Q2.
$\left(\frac{1}{3}, \frac{1}{9}\right)$

Q3.
D

Q4.
4 or 5 points plotted correctly
$\pm 1 / 2$ square tolerance

Fully correct with a smooth curve
$\pm 1 / 2$ square tolerance

Q5.
(a) - 3

32

Additional Guidance $x=-2, y=-3$
$x=3, y=32$
(b) 6 or 7 of their points plotted correctly
tolerance $\pm \frac{1}{2}$ square
ft their points

Fully correct smooth increasing curve passing through all 7 correct points
tolerance $\pm \frac{1}{2}$ square

