Mark schemes

Q]. (a)	Graph of ⊭ x3		
	Must be in 1st and 3rd quadrants.	B1	
(b)	Graph of y≠ x² + 3 3 need not be marked as long as graph is roughly symmetrical and crosses y-axis above origin	B1	
	$y = \frac{1}{x}$ Graph of		
(c)	Must be in 1st and 3rd quadrants	B1	[3]
Q2.			
Q2. $\left(\frac{1}{3}, \frac{1}{3}\right)$	$\left(\frac{1}{9}\right)$	B1	[1]
Q3.			
D		B1	[1]
Q4.			
4 or -	5 points plotted correctly ± ½ square tolerance	M1	
Fully	v correct with a smooth curve		
	± ½ square tolerance	A1	[2]
Q5.			
(a)	- 3	B1	
	32	B1	
	Additional Guidance $x = -2, y = -3$	B1	

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

A1

B1