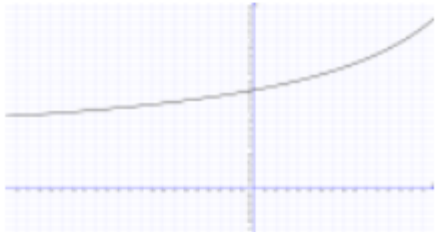


Question 6 – 5:

6(a)(i)	$[a =] 4$ $[b =] - 3$ nfw	2	B1 for $[a =] 4$ B1 for $[b =] - 3$ nfw
6(a)(ii)	$y = 4$ oe	1	
6(a)(iii)	$y = -6x + 7$ oe final answer	2	B1 for answer $-6x + 7$ or answers $y = -6x + c$ or $y = kx + 7$ ($k < 0$)
6(b)(i)	2.25 2.67 3.5	3	B1 for each
6(b)(ii)	correct curve 	4	B3 FT for 7 or 8 points or B2 FT for 5 or 6 points or B1 FT for 3 or 4 points
6(c)(i)	-0.78 to -0.72 and 0.55 to 0.59	2	B1 for each
6(c)(ii)	$3x^3 - 9x^2 - 3x + 4$ [= 0] final answer	4	B3FT for 3 out of 4 correct terms or for $bx^3 - 3bx^2 + (a - 1)x + 8 - 3a$ [= 0] oe or B2FT for 2 out of 4 correct terms or for 3 out of 4 terms from $bx^3 - 3bx^2 + (a - 1)x + 8 - 3a$ [= 0] or M1 for $1 + \frac{5}{3-x} = \text{their } 4 + (\text{their } (-3))x^2$ oe