ANSWERS TO SEMESTER ONE EXAMINATION JUNE 2010 (JAN 2010 INTAKE)

	4 2
1	$-8n^4 - 8n^3 + n$
_	<i>c−b</i>
2	$\chi = \frac{1}{h-a}$
	When $a \neq b$, $y = s \frac{a-c}{c}$
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	$\frac{b-c}{c}$
	$x \qquad \overline{c-a}$ When $a \neq c$, $y = s 1$
	$z = \frac{a-b}{2}$
	$\frac{\overline{c}}{c-a}$
3	Prove
4	(i) $y = 0$, $x = 2$ (ii) Minimum
	(iii)
	(m)
	1 /
	Y to 111
	4 2 '
	1-1,-5)
	, , , ,
	(-1, -\frac{1}{3})
	W -
	X=2
5	(i) $8a^2d - 4abc + b^3 u^3 + 36a^2d - 12abc u^2 + 54a^2d - 9abc u + 3b^3 + 27a^2d = 0$
	(ii) $A = \frac{5}{12}$