ANSWERS TO SEMESTER ONE EXAMINATION JUNE 2012 (JAN 2012 INTAKE)

1	29.8		
2	$61°$		
3	(i)	$\dfrac{-n^2(2n+3)}{4}$	
	(ii)	$\dfrac{2n^3+3n^2-1}{4}$	
4	Prove		
5	(i)	$y = 0\,, x = 4, x = 1$	
	(ii)	Max: $(2, -3)$; Min: $\left(-2, -\dfrac{1}{3}\right)$	
	(iii)		
6	(i)	$21u^3 + 35u^2 + 78u + 135 = 0$	
	(ii)	Prove	