Question	Working	Answer	Mark	Notes
10 (a)	$3\times\left(\frac{1}{3}\right)^3-7\times\left(\frac{1}{3}\right)^2+5\times\frac{1}{3}-1$			M1
		= 0, $(3x-1)$is a factor	2	A1
(b)	x^2-2x+1			M1
	$(x-1)(x-1)$			M1
		$x=\frac{1}{3}$ or 1	3	A1
(c)	$\frac{dy}{dx}=9x^2-14x+5$			M1
	$(x-1)(9x-5)=0$			M1
		1, $\frac{5}{9}$		A1
	Substituting x values into $y=3x^3-7x^2+5x-1$			M1
		(1, 0) $\left(\frac{5}{9},\frac{32}{243}\right)$	5	A1
(d) (i)		5	1	B1ft (ft $\frac{dy}{dx}$)
(ii)	$y=$ "5"$x-1$			M1
		$y=5x-1$	2	A1oe
				Total 13 marks