Question			Answer	Marks	AOs		Guidance
6	i		$f(-1)=4\times(-1)^3-3(-1)+1=-4+3+1=0$	M1	2.1	**DR** Use of f(-1) must be seen. Do not allow for algebraic divison.	Allow without conclusion if preceded by "If $f(-1)=0$ then $(x+1)$ will be a factor" or similar
			Therefore $(x+1)$ is a factor	A1 [2]	2.2a	Clear conclusion must be made	
	ii		$f(x)=(x+1)(4x^2-4x+1)=0$	M1	1.1a	**DR** Attempt to divide or to factorise by inspection with $4x^2$	Allow full credit for $(x+1)(4x-2)(x-0.5)$
				A1	1.1b	correct quadratic factor seen or implied by correct linear factors	
			$=(x+1)(2x-1)^2=0$				No marks for solving the cubic on the calculator
			$x=-1,\ \frac{1}{2}$ [repeated]	A1 [3]	1.1b	Both roots seen derived from 3 correct linear factors or use of quadratic formula	