Question 1

Question Number	Scheme	Marks
	$$\begin{array}{r} 2x^2 \quad -1 \\ x^2-1 \;\overline{)\; 2x^4 \quad -3x^2+x+1} \\ \underline{2x^4 \quad -2x^2} \\ -x^2+x+1 \\ \underline{-x^2 \quad +1} \\ x \end{array}$$	
	$a=2$ stated or implied	M1
	$c=-1$ stated or implied	A1
		A1
	$2x^2-1+\dfrac{x}{x^2-1}$	
	$a=2, b=0, c=-1, d=1, e=0$	
	$d=1$ and $b=0, e=0$ stated or implied	A1
		[4]