2	In this question you must show detailed reasoning.	
	The cubic polynomial $f(x)$ is defined by $f(x) = 5x^3 - 4x^2 + ax - 2$, where a is a constant.	
	You are given that $(x-2)$ is a factor of $f(x)$.	
	(a) Find the value of a .	[2]
	(b) Find all the factors of $f(x)$.	[3]