6	The gradient of a curve is given by the equation $\frac{dy}{dx} = 6x^2 - 20x + 6$. The curve passes through point (2, 6).	the
	(a) Find the equation of the curve.	[3]
	(b) Verify that the equation of the curve can be written as $y = 2(x+1)(x-3)^2$.	[2]

Sketch the curve, indicating the points where the curve meets the axes.