8 (a)	Find the equation of the tangent to the curve $y = e^{4x}$ at the point (a, e^{4a}) .	[3 marks]
8 (b)	Find the value of a for which this tangent passes through the origin.	[2 marks]
8 (c)	Hence, find the set of values of m for which the equation $e^{4x} = mx$	
	has no real solutions.	[3 marks]