I	(a)	Distinguish between vector and scalar quantities.			
			[2]		
	(b)	The electric field strength E at a distance x from an isolated point charge Q is given by the equation			
			$E = \frac{Q}{x^2b}$		
		where b is a constant.			
		(i)	the definition of electric field strength to show that E has SI base units of $kg m A^{-1} s^{-3}$.		
		(ii)	the units for E given in (b)(i) to determine the SI base units of b .		
			SI base units of <i>b</i> [2]		