(a)	State what is meant by work done.	
		[1]
(b)	Use the answer to (a) to determine the SI base units of power.	
	SI base units	[2]
(0)		[~]
(c)	The maximum useful output power P of a car travelling on a horizontal road is given by $P = v^3 b$	
	where v is the maximum speed of the car and b is a constant.	
	For the car,	
	$P = 84 \text{ kW} \pm 5\%$ and $b = 0.56 \pm 7\%$ in SI units.	
	(i) Calculate the value of v.	
	$v = \dots ms^{-1}$	[2]
	(ii) Determine the absolute uncertainty in the value of <i>v</i> .	
	absolute uncertainty = ms ⁻¹	[2]
	[Total	l: 7]