2	(a)	(i)	Define power.
		(ii)	your definition in (i) to show that power may also be expressed as the product o force and velocity.
			[2
	(b)	A lo	orry moves up a road that is inclined at 9.0° to the horizontal, as shown in Fig. 2.1.
			$8.5\mathrm{ms^{-1}}$
			road
			Fig. 2.1
			e lorry has mass $2500\mathrm{kg}$ and is travelling at a constant speed of $8.5\mathrm{ms^{-1}}$. The force due to resistance is negligible.
		(i)	Calculate the useful power from the engine to move the lorry up the road.
			power = kW [3
		(ii)	State two reasons why the rate of change of potential energy of the lorry is equal to the power calculated in (i).
			1
			2