an	angle $oldsymbol{ heta}$ to the horizon	ntal .					
Pr	ove that the coefficie	nt of friction between the pa	rticle and the plane is $ an  heta$ .	(4 mar			
(b) A horizontal force $m{P}$ is applied to $m{Q}$ and acts in the vertical plane containing the line of greatest							
	slope of the inclined plane which passes through $oldsymbol{Q}$ , and towards the plane.						
	If equilibrium is limiting with $Q$ on the point of moving up the plane, find $Q$ in terms of $\theta$ and $W$ .						
1)	equitibilitani is timitin	g with <b>Q</b> on the point of move	Link to Solutions: https://youtu.be/u				
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where $\tan \theta = \frac{3}{4}$ . A force of <b>T</b> N acts horizontally on the particle towards the plane.						
Given that the coefficient of friction is $\frac{3}{10}$ and that the particle is moving at a constant velocity,  (7 marks						
calculate the value of <b>T</b> .		Link to Solutions: https://youtu.be/u				
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