7	A particle P of mass mkg is held at rest at a point O and released so that it moves vertice gravity against a resistive force of magnitude $0.1mv^2$ N, where $v \text{m s}^{-1}$ is the velocity of P at	
	(a) Find an expression for v in terms of t .	[6]

DO NOT WRITE IN THIS MARGIN



The displacement of P from O at time ts is x m.

Find an expression for v^2 in terms of x .

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