12	In this question the unit vectors \mathbf{i} and \mathbf{j} are in the x - and y -directions respectively.	
	The velocity $\mathbf{v} \mathrm{m} \mathrm{s}^{-1}$ of a particle is given by $\mathbf{v} = 3\mathbf{i} + (6t^2 - 5)\mathbf{j}$. The initial position of the p is $7\mathbf{j} \mathrm{m}$.	particle
	(a) Find an expression for the position vector of the particle at time t s.	[4]
	(b) Find the Cartesian equation of the path of the particle.	[2]