11	In this question you must show detailed reasoning.	
	The variables x and y are such that $\frac{dy}{dx}$ is directly proportional to the square root of x.	
	When $x = 4$ , $\frac{\mathrm{d}y}{\mathrm{d}x} = 3$ .	
	(a) Find $\frac{dy}{dx}$ in terms of x.	[3]
	When $x = 4$ , $y = 10$ .	
	<b>(b)</b> Find $y$ in terms of $x$ .	[3]