3			**DR**				
			$\left(\dfrac{\mathrm{d}y}{\mathrm{d}x}=\right)\dfrac{2}{\sqrt{x}}-3$	M1 A1	2.1 1.1	**M1** for attempt to differentiate (so therefore answer of the form $\dfrac{\mathrm{d}y}{\mathrm{d}x}=\dfrac{k}{\sqrt{x}}-3$) and **A1** for correct derivative	**A0** if "+c" oe
			When $x=4,\ \left(\dfrac{\mathrm{d}y}{\mathrm{d}x}=\right)-2$	A1	1.1	Correct value of $\dfrac{\mathrm{d}y}{\mathrm{d}x}$	
			Gradient of normal $=\dfrac{1}{2}$	B1 FT	1.2	Follow through their **evaluated** $\dfrac{\mathrm{d}y}{\mathrm{d}x}$	Must be processed correctly
			When $x=4,\ y=-3$	B1	1.1	Correct y coordinate, accept equivalent forms	
			$y+3=\dfrac{1}{2}(x-4)$	M1	1.1	Correct method for equation of straight line through (4, their evaluated y), any non-zero gradient	
			$x-2y-10=0$	A1	1.1	Correct equation in required form i.e. $k(x-2y-10)=0$ for integer k.	Must have $=0$

Question			Answer	Marks	AO	Guidance	
				[7]			