Question	Working	Answer	Mark	Notes
21	$\left[\frac{dy}{dx} =\right] 2\times kx - 16x^{-2}$ **or** $2kx - \frac{16}{x^2}$ oe		5	M2 for both terms differentiated correctly (M1) for one term differentiated correctly
	"$2kx - 16x^{-2}$" $= 0$ oe			M1 ft dep on M1
	eg $\frac{8}{27}k = 8$ or $\frac{4}{3}k = 36$ or $k = 27$ oe			M1 (not ft) for substituting $x = \frac{2}{3}$ into their correct equation for k and getting as far as one step from the value of k or the correct value of k
	Working must be seen	36		A1 dep on M4
				Total 5 marks