17	$y=\frac{k}{\sqrt{x}}$ or $ky=\frac{1}{\sqrt{x}}$ or $\sqrt{x}=\frac{k}{y}$ oe		3	M1 (NB. Not for $y=\frac{1}{\sqrt{x}}$) Constant of proportionality must be a symbol such as *k* (Allow *c* for *k* for this mark only)	M2 for $c^4=\frac{k}{\sqrt{c^2}}$ oe
	$c^4=\frac{k}{\sqrt{c^2}}$ oe or $k=c^4\times\sqrt{c^2}$ oe			M1 for substitution of *x* and *y* into a correct formula	
	Correct answer scores full marks (unless from obvious incorrect working)	$y=\frac{c^5}{\sqrt{x}}$		A1 oe e.g $y=c^5\times\frac{1}{\sqrt{x}}$ Award 3 marks if answer is $y=\frac{k}{\sqrt{x}}$ on the answer line and $k=c^5$ clearly given in the body of working of the script	
					Total 3 marks

18	(a)		$\frac{k}{x}$	1	B1 allow kx^{-1}
	(b)(i)		−46	1	B1 cao
	(ii)	$\frac{3\left(2-3x^4\right)}{2-\left(2-3x^4\right)}$ or $\frac{6-9x^4}{2-2+3x^4}$ oe or $\frac{6-9x^4}{3x^4}$ oe		2	M1
		Correct answer scores full marks (unless from obvious incorrect working)	$\frac{2-3x^4}{x^4}$		A1 allow $\frac{2}{x^4}-3$ oe
					Total 4 marks