

Question	Answer	Marks	Guidance
1	$(3x+2)(x-1)=2 \Rightarrow 3x^2-x-4 [=0]$	M1	OE Multiply by denominator and obtain a quadratic.
	$(3x-4)(x+1)[=0]$	M1	Solve by factorising, formula or completing the square.
	$[x =] -1, \frac{4}{3}$	A1	Allow 1.33 If M1 M0, SC B1 possible for two correct answers.
		3	

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2(a)	$12\left(\frac{1}{2} \times 6 - 1\right)^{-4} \left[= 12(2)^{-4} = \frac{3}{4} \right]$	M1	Substitute $x=6$ into $\frac{dy}{dx}$ SOI by gradient $\frac{3}{4}$ used.
	$y-4 = \frac{3}{4}(x-6)$ OR evaluates $c = -\frac{1}{2}$	A1	OE e.g. $y = \frac{3}{4}x - \frac{1}{2}$ or evaluates c in $y = \frac{3}{4}x + c$ using (6, 4) and gradient $\frac{3}{4}$. ISW
		2	