Question number	Scheme	Marks
1	$\alpha+\beta=\frac{3}{4},\ \alpha\beta=-2$	B1B1
	Sum: $\frac{1}{\alpha}+\frac{1}{\beta}=\frac{\alpha+\beta}{\alpha\beta}=\frac{\frac{3}{4}}{-2}=-\frac{3}{8}=\left(-\frac{b}{a}\right)$	M1A1
	Product: $\frac{1}{\alpha}\times\frac{1}{\beta}=\frac{1}{\alpha\beta}=-\frac{1}{2}=\left(\frac{c}{a}\right)$	B1ft
	Equation: $x^2+\frac{3}{8}x+\left(-\frac{1}{2}\right)=0\Rightarrow 8x^2+3x-4=0$	M1A1ft [7]
		Total 7 marks

Mark	Notes
B1	For correct value for $\alpha+\beta$
B1	For correct value for $\alpha\beta$
M1	For the sum $\frac{1}{\alpha}+\frac{1}{\beta}=\frac{\alpha+\beta}{\alpha\beta}=\frac{their\ \frac{3}{4}}{their-2}$ Allow use of their stated $\alpha+\beta$ and $\alpha\beta$
A1	For the correct sum $-\frac{3}{8}$
B1ft	For the correct value of the product $\frac{1}{\alpha}\times\frac{1}{\beta}=\frac{1}{\alpha\beta}=-\frac{1}{2}$ FT their stated $\alpha+\beta$ and $\alpha\beta$
M1	For correctly forming an equation with their sum and product $x^2-\frac{'-3'}{8}x+-\frac{'1'}{2}(=0)$ Condone the absence of =0 for this mark.
A1ft	For the correct equation $8x^2+3x-4=0$ oe Follow through from their sum and product. Must be integer coefficients and constant.