

Question			Answer	Marks	AOs	Guidance		
2	(a)		$x^2 + 8x - 7 = (x + 4)^2 - 16 - 7$	M1	3.1a	For $(x + 4)^2$	Or from differentiation	
			$(x + 4)^2 - 23$	A1	1.1			Correct completion of square
			Translation	B1	1.1			More than one transformation loses last two marks
			$\begin{pmatrix} -4 \\ -23 \end{pmatrix}$	B1	1.1			Must be vector
			[4]					
2	(b)		$(-4, -23)$	B1	2.2a	Correct or FT <i>their translation</i> or vector		
				[1]				