

Question			Answer	Marks	AOs	Guidance	
1	(a)		$a = 4$ $b = -14$	B1 B1 [2]	1.1a 1.1	May be seen as $(x + 4)^2 - 14$	
1	(b)		$(-4, -14)$	B1 [1]	2.2a	FT <i>their (a)</i>	
1	(c)		Translation $\begin{pmatrix} -4 \\ -14 \end{pmatrix}$ oe	B1 B1 [2]	1.2 2.2a	If other transformations as well (eg stretch) then B0 ‘Shift’ does not score FT <i>their (a)</i>	Or B1 for translation 4 to left oe Or B1 for translation 14 down oe B0 B1 can be awarded for eg Translation, correct vector & stretch