

Question	Answer	Marks	Guidance
(a)	$\{(x+1)^2 + 2(x+1) - 5\} + \{3\}$ , or $\{(x+1+1)^2\} + \{-6+3\}$	<b>M1 M1</b>	M1 for dealing with $\begin{pmatrix} -1 \\ 0 \end{pmatrix}$ and M1 for dealing with $\begin{pmatrix} 0 \\ 3 \end{pmatrix}$ .
	$[y =]x^2 + 4x + 1$	<b>A1</b>	Answer only given full marks.
		<b>3</b>	

Question	Answer	Marks	Guidance
(b)	{Stretch} { $x$ direction or horizontally or $y$ -axis invariant} { factor $\frac{1}{2}$ }	<b>B2, 1, 0</b>	Additional transformation B0.
		<b>2</b>	

