Qu	Working	Answer	Mark	Notes
22	$[g(x) =] 2(x-3)^2 - 5$		4	B2 for $a = 2$, $b = 3$ and $c = 5$ correct (stated or shown) (B1 for one of $a = 2$, $b = 3$ and $c = 5$ correct)
	stretch y direction scale factor 2 oe [ft their a] **or** translation $\begin{pmatrix} 3 \\ -5 \end{pmatrix}$ (ft correct use of their b and c) oe			M1 **Stretch** and a correct description of the stretch **or translation** and a correct description of the translation NB: must include the word translation (or translate) and stretch
		Correct transformations in correct order		A1 Stretch y direction scale factor 2 **followed by** translation $\begin{pmatrix} 3 \\ -5 \end{pmatrix}$ oe eg translation $\begin{pmatrix} 3 \\ 0 \end{pmatrix}$, stretch SF2 in y direction followed by translation $\begin{pmatrix} 0 \\ -5 \end{pmatrix}$
				Total 4 marks
22 Alt	$[g(x) =] 2(x-3)^2 - 5$		4	B2 for $a = 2$, $b = 3$ and $c = 5$ correct (stated or shown) (B1 for one of $a = 2$, $b = 3$ and $c = 5$ correct)
	translation $\begin{pmatrix} 3 \\ -2.5 \end{pmatrix}$ (ft correct use of their b and $0.5c$) oe **or** stretch y direction scale factor 2 (ft their a)			M1 A correct description of the stretch **or** the translation
		Correct transformations in correct order		A1 Translation $\begin{pmatrix} 3 \\ -2.5 \end{pmatrix}$ oe **followed by** stretch y direction scale factor 2
				Total 4 marks