

7	<ul style="list-style-type: none"> •¹ correct horizontal translation •² correct vertical translation •³ correctly annotated diagram 	<ul style="list-style-type: none"> •¹ x-coordinates must be correct •² y-coordinates must be correct •³ correct shape and annotation <p>Graph moves 4 units right and 2 up</p> <p>$(-6, 0) \rightarrow (-2, 0) \rightarrow (-2, 2)$ $(1, -7) \rightarrow (5, -7) \rightarrow (5, -5)$ $(3, 0) \rightarrow (7, 0) \rightarrow (7, 2)$</p>
8	<ul style="list-style-type: none"> •¹ finds one unknown •² finds final unknown 	<ul style="list-style-type: none"> •¹ $a = 3$ •² $b = 4$
9	<ul style="list-style-type: none"> •¹ max/min correct •² x intercepts •³ correct shape (starts and finishes graph slightly above b) 	<ul style="list-style-type: none"> •¹ max b and min $-b$ •² $(\frac{2\pi}{3}, 0)$ and $(\frac{5\pi}{3}, 0)$ •³ <p>NB the y-intercept does not require to be annotated.</p>
10	<ul style="list-style-type: none"> •¹ finds one unknown •² finds second unknown •³ finds final unknown 	<ul style="list-style-type: none"> •¹ $a = 4$ •² $b = 2$ •³ $c = -3$
11	<ul style="list-style-type: none"> •¹ starts to solve •² solves for $2x$ •³ solves for x 	<ul style="list-style-type: none"> •¹ $2x = \sin^{-1}(\frac{\sqrt{3}}{2})$ •² $2x = 60^\circ$ and 120° •³ $x = 30^\circ$ and 60° <p>NB •² and •³ can be marked horizontally or vertically</p>
		Total of 26 marks plus 1 x #2.1 and 2 x #2.2