4 (a)	eg $\begin{pmatrix}6--7\\12-2\end{pmatrix}\left[=\begin{pmatrix}13\\10\end{pmatrix}\right]$ **or** $\begin{pmatrix}-7-6\\2-12\end{pmatrix}\left[=\begin{pmatrix}-13\\-10\end{pmatrix}\right]$		3	M1	with or without brackets, allow 13 right and 10 up **or** (13, 10) **or** 13 left and 10 down **or** (−13, −10) **or** for one of −5 + 10 (= 5) or −3 + 10 (= 7) or 9 – 13 (= −4)
				M1	for two of −5 + 10 (= 5) or −3 + 10 (= 7) or 9 – 13 (= −4)
	Correct answer scores full marks (unless from obvious incorrect working)	$d = 5$, $e = 7$, $f = -4$		A1	
(b)		Enlargement	3	B1	with no mention of any other transformation or words such as move, flip, shift
		Scale factor 3		B1	with no mention of a vector, angle of rotation or line of symmetry
		Centre (0, 2)		B1	
(c)		Correct shape with coordinates (0, 5), (1, 6), (3, 6), (1, 5)	2	B2	B1 for a correct shape with the correct orientation in the incorrect position **or** for 3 out of 4 vertices correct **or** for a correct rotation of 90° anticlockwise about (3, 5)
					Total 8 marks