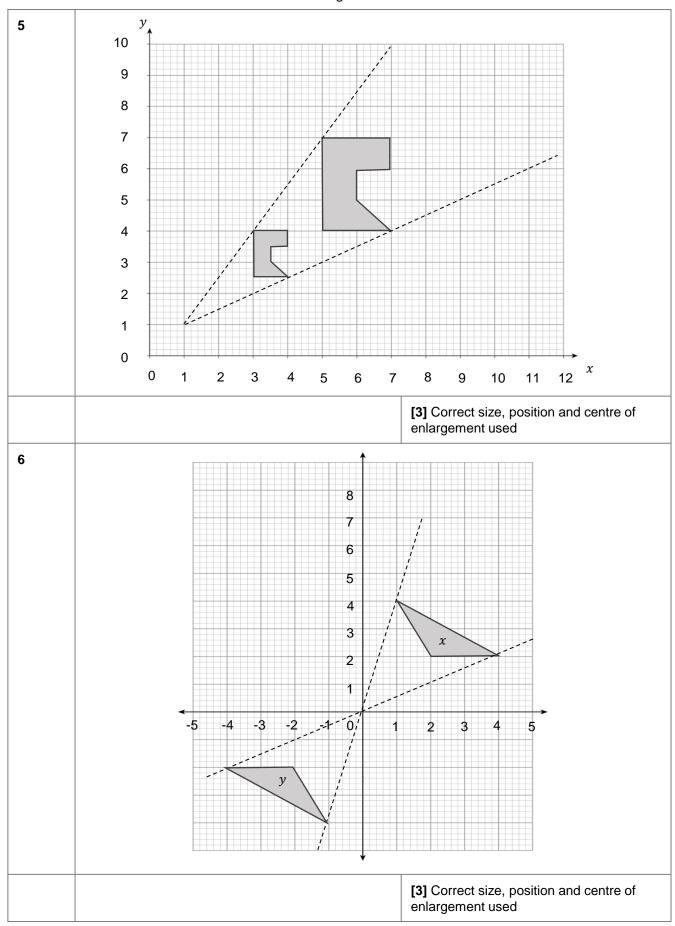


3



Turn over ▶

	4	
7(a)	Reflection in the line $x = 0$	[1] $line x = 0$ must be stated
7(b)	Translation $\begin{pmatrix} -6 \\ -4 \end{pmatrix}$	[1]
7(c)	Rotation of 180° about (1,-1)	[1] or Enlargement of -1 at $(1,-1)$
7(d)	Rotation of 180° about (3, – 0.5)	[1] or Enlargement of -1 at $(3, -0.5)$
7(e)	Reflection in the line $y = x - 2$	[1] or Rotation of 180° about (3.5, 1.5)
8		6 7 8 9
	Invariant points (5,2) , (4,2) , (5,5)	[6] 1 mark for each correct transformation and 1 mark for each correct invariant poin given



