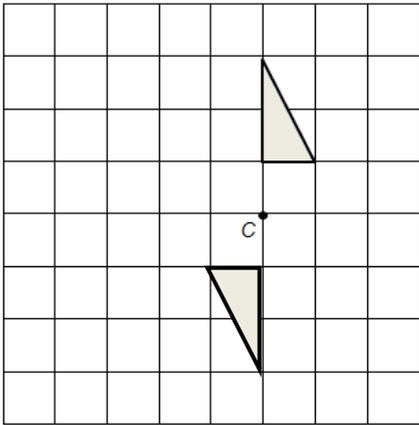


# Topic Test 1 Mark Scheme

## Transformations - Foundation

Q	Answer	Mark	Comments
1(a)	Shape correctly drawn.	B1	
1(b)	$\begin{pmatrix} 1 \\ -3 \end{pmatrix}$	B1	Both correct
1(c)	Congruent	B1	
2(a)	3	B1	
2(b)	$\frac{1}{2}$	B1	Or equivalent
2(c)	3:1	B1	
3		B2	B1 for correct rotation but incorrect position on grid

4	<p>Correct reflection</p>	B2	B1 for reflection in $x = -1$
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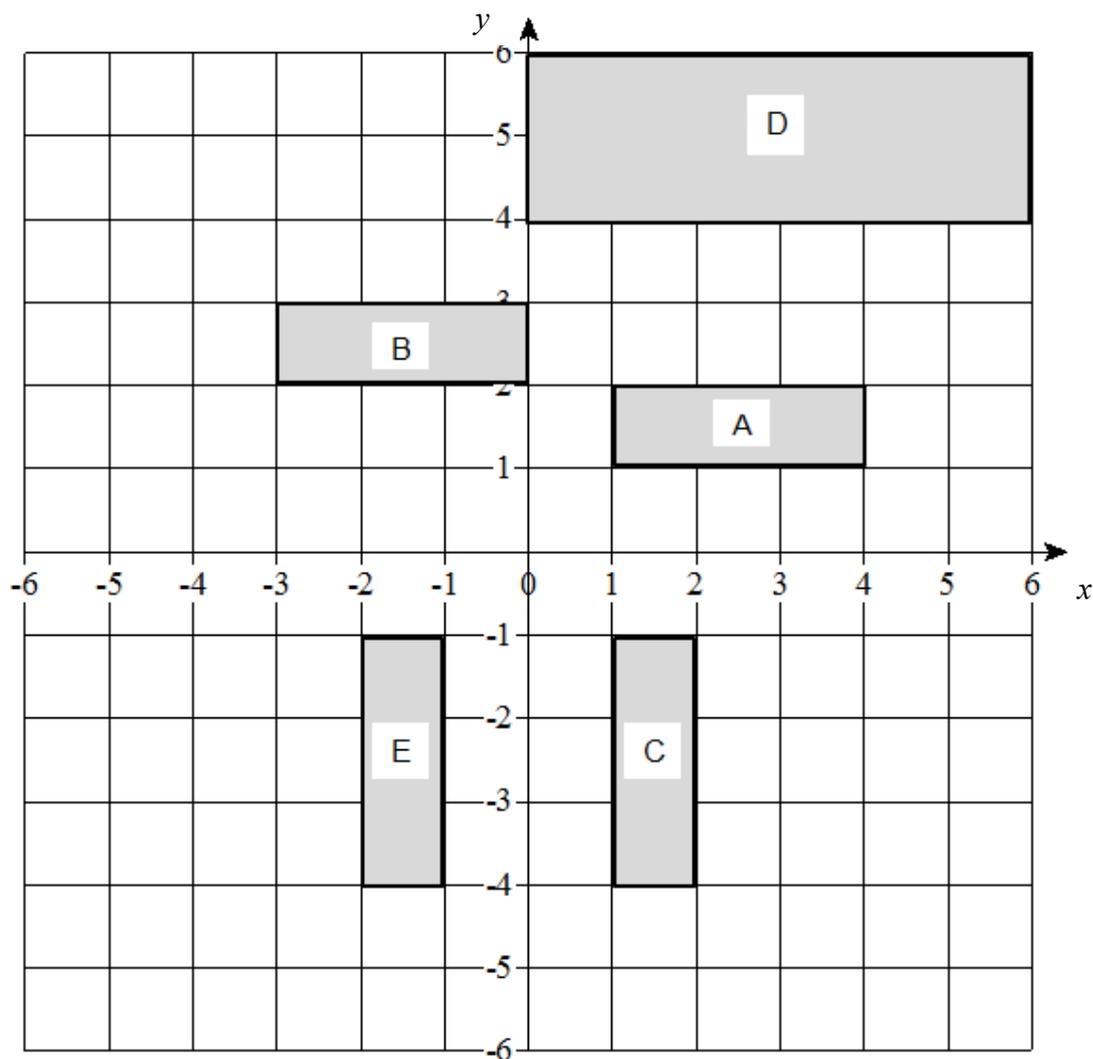
5(a)	Correct translation	B1	Accept unlabelled responses only if it clearly is the translation
5(b)	Correct rotation	B1	Accept unlabelled responses only if it clearly is the rotation
5(c)	Correct enlargement	B2	<p>B1 for correct enlargement but incorrect position on grid</p> <p>Accept unlabelled responses only if it clearly the enlargement</p>
5(d)	$y = -x$	B1	

Two transformations fully correct and in the correct order:  
 e.g. Rotate by  $90^\circ$  clockwise about the origin, then reflect in the  $y$  axis.

B2

B1 for one fully correct transformation  
 Or for both transformations correct but in the wrong order.

Final diagram:



5(e)

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<b>6</b>	Ticks correct boxes: True False False	B1 B1 B1	
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