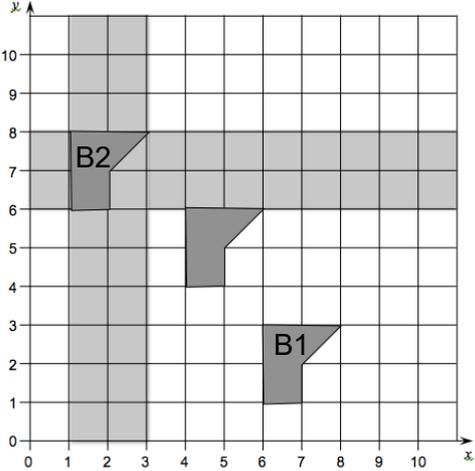


Topic Test 1 Mark Scheme

Transformations - Higher

Q	Answer	Mark	Comments
1		B2	B2 for reflection in $y = -1$ B1 for reflection in $x = -1$
2(a)	KJG	B1	
2(b)	EGD	B1	
2(c)		B1	Approximately in centre of triangle <i>CEF</i>
3	Rotation	B1	
	90° anti-clockwise	B1	
	(centre) (5, 7)	B1	

Q	Answer	Mark	Comments
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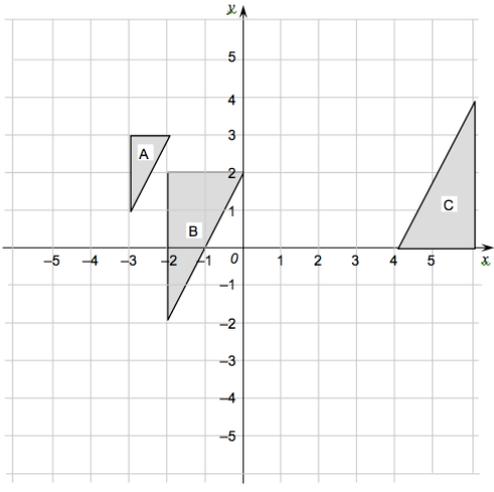
4(a)		B2	<p>B2 correct translation</p> <p>B1 for translation of $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$</p> <p>B1 for translation of $\begin{pmatrix} -3 \\ n \end{pmatrix} n \neq 2$</p> <p>B1 for translation of $\begin{pmatrix} m \\ 2 \end{pmatrix} m \neq -3$</p> <p>ie in the light grey areas.</p>
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4(b)	$a = 2.5$	B1	oe
	$b = -4$	B1	

5(a)	B and C	B1	
5(b)	A and C	B1	

6	Enlargement	B1	
	Scale factor – $\frac{1}{3}$	B1	
	(centre) (4, 5)	B1	

Q	Answer	Mark	Comments
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7	<p>Enlargement scale factor -2 about $(0, 2)$</p> 	B3	<p>B2 for C drawn correctly B1 for B drawn correctly</p>
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