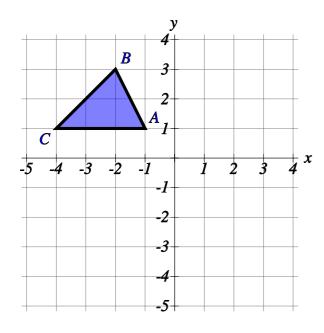
Transformations

Name:	Class:	Date:	
		_	

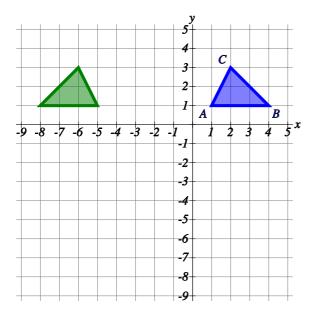
Mark / 10 %

1) Reflect the triangle ABC in the x-axis. Give the coordinates of the image point C'

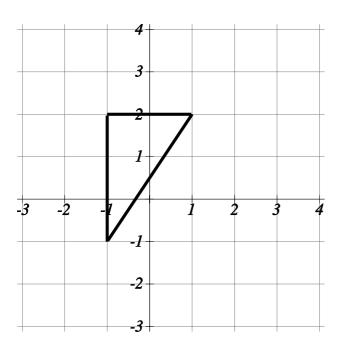
[1]



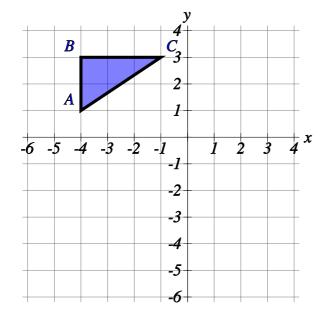
2) Fully describe the single transformation from the triangle ABC to its image



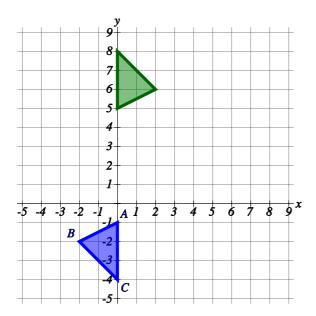
3) Reflect the shape in y axis.



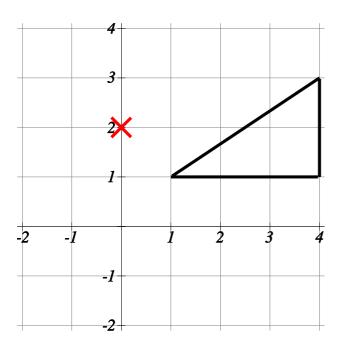
4) Rotate the triangle ABC 180° about centre (-1,-1). Give the coordinates of the image point A'



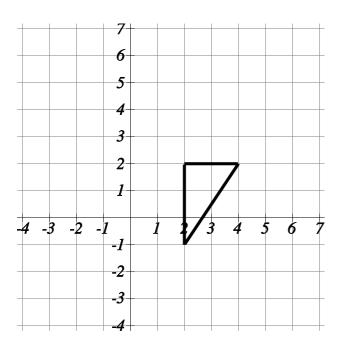
[1]



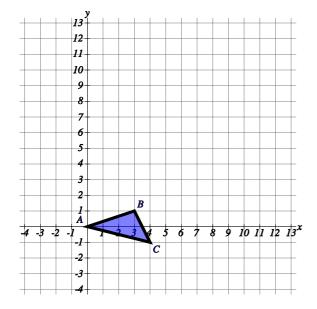
6) Rotate the shape 90° clockwise about centre (0,2).



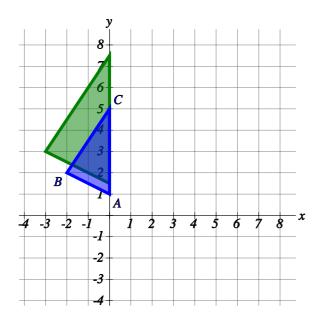
7) Translate the shape by the vector $\binom{-2}{0}$.



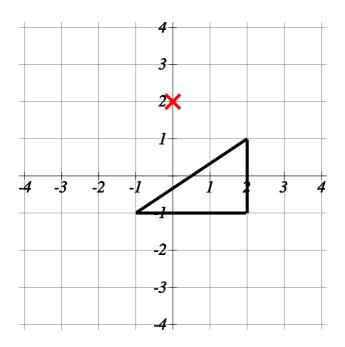
8) Enlarge the triangle ABC from centre (0,0) by scale factor 3. Give the coordinates of the image point B'



[1]

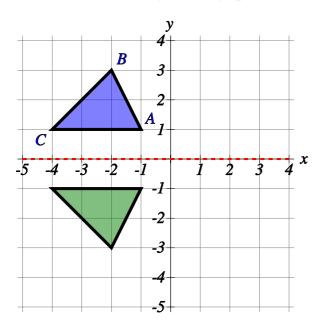


10) Enlarge the shape from centre (0,2) by scale factor 2.

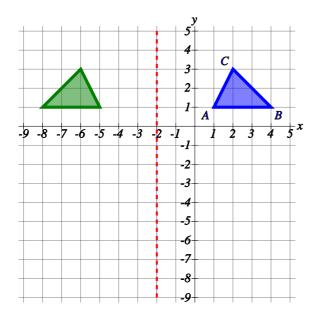


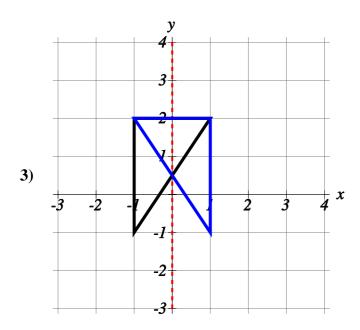
Solutions for the assessment Transformations

1) Reflection in the x-axis gives image point C' = (-4,-1)

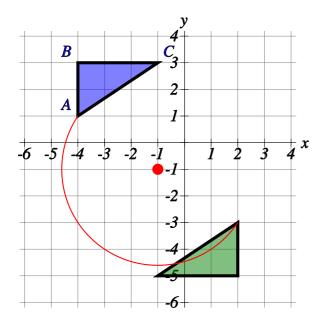


2) reflection in x = -2

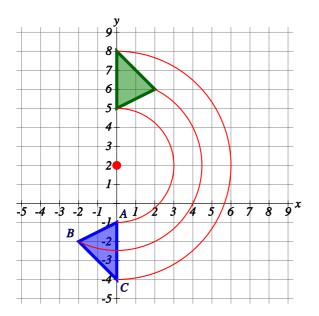


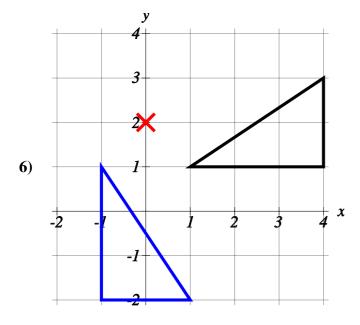


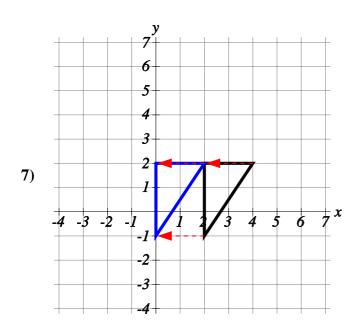
4) Rotation 180° about centre (-1,-1) gives image point A' = (2,-3)



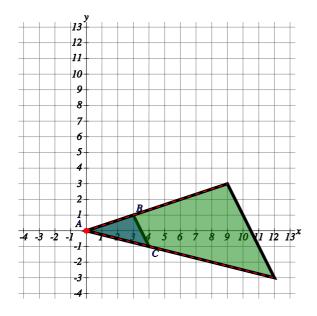
5) rotation 180° about (0,2)







8) Enlargement from centre (0,0) by scale factor 3 gives image point B' = (9,3)



9) enlargement scale factor 1.5 centre (0,0)

