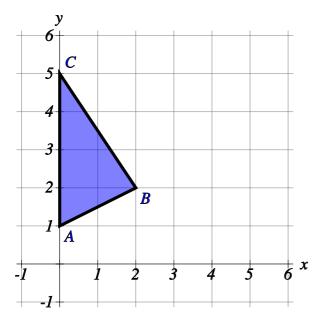
Transformations - Shear

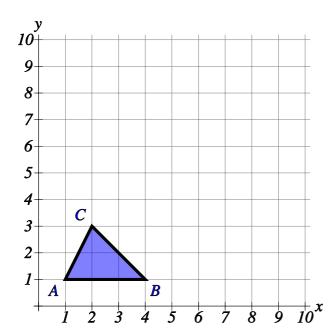
Name:	Class:	Date:		
		Mark	/ 8	%

1) Shear the triangle ABC from fixed line x-axis, by shear factor 1. Give the coordinates of the image point A'

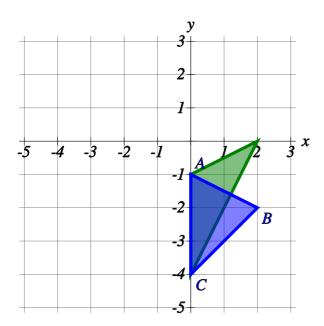
[1]



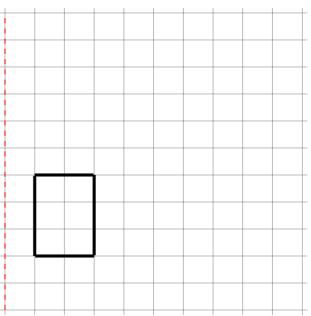
[1]



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

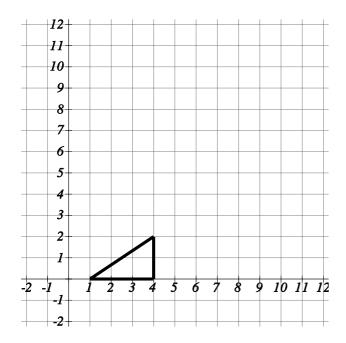


5) Shear the shape by scale factor 2 from the dotted line



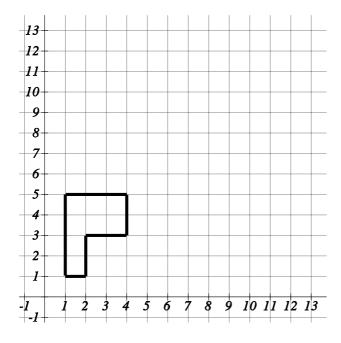
[1]

6) Shear the shape by shear factor 2 using the y-axis as the fixed line



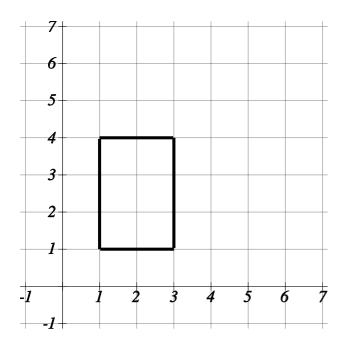
[1]

7) Shear the shape by shear factor 1.5 using the x-axis as the fixed line



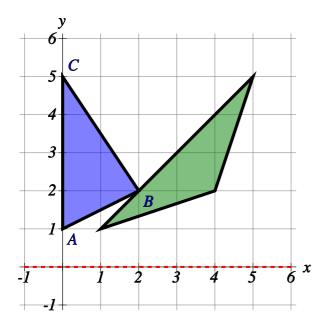
[1]

8) Shear the shape by shear factor 0.5 using the x-axis as the fixed line

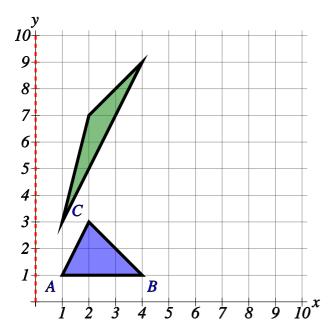


Solutions for the assessment Transformations - Shear

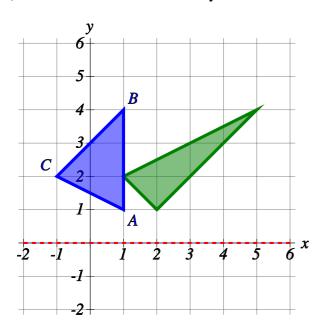
1) Shearing the triangle ABC from fixed line x-axis, by shear factor 1 gives image point A' = (1,1)



2) Shearing the triangle ABC from fixed line y-axis, by shear factor 2 gives image point B' = (4,9)



3) shear from fixed line x-axis by shear factor 1



4) shear from fixed line y-axis by shear factor 1

