

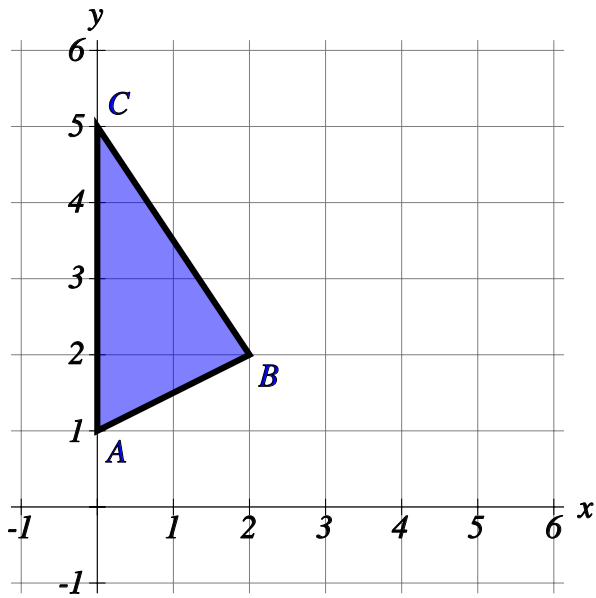
Transformations - Shear

Name:	Class:	Date:
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Mark	/ 8	%
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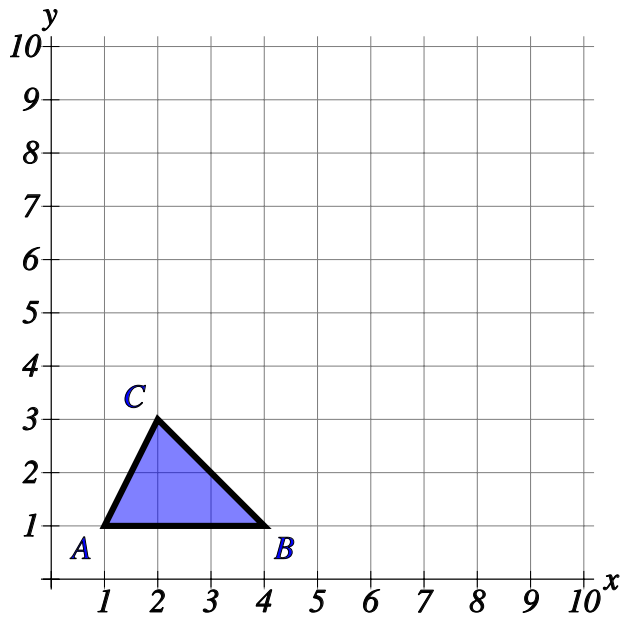
1) Shear the triangle ABC from fixed line x-axis, by shear factor 1.
Give the coordinates of the image point A'

[1]



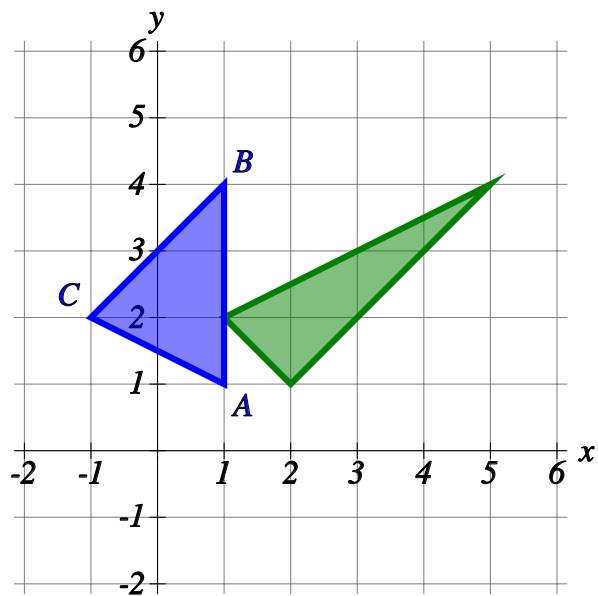
2) Shear the triangle ABC from fixed line y-axis, by shear factor 2.
Give the coordinates of the image point B'

[1]



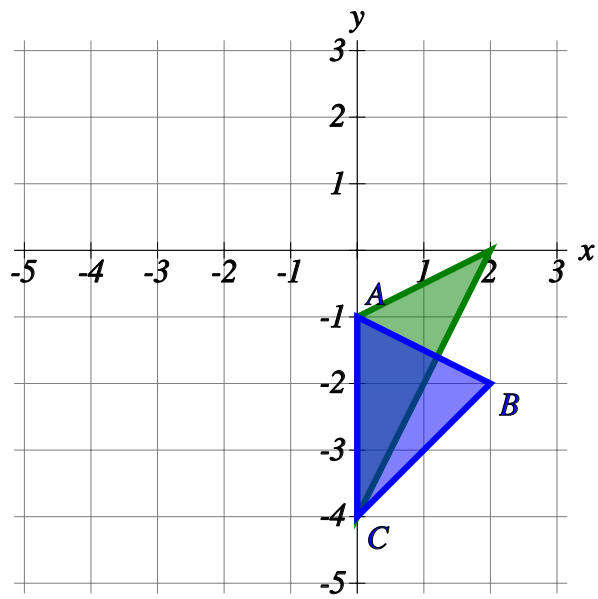
3) Fully describe the single transformation from the triangle ABC to its image

[1]

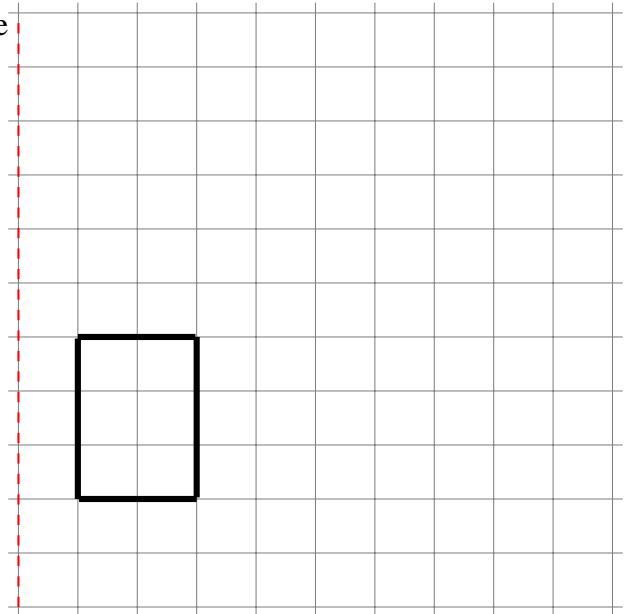


4) Fully describe the single transformation from the triangle ABC to its image

[1]

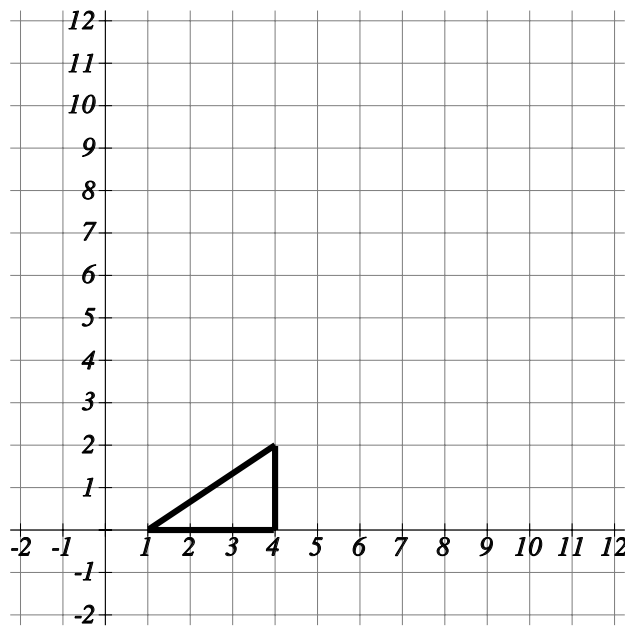


5) Shear the shape by scale factor 2 from the dotted line



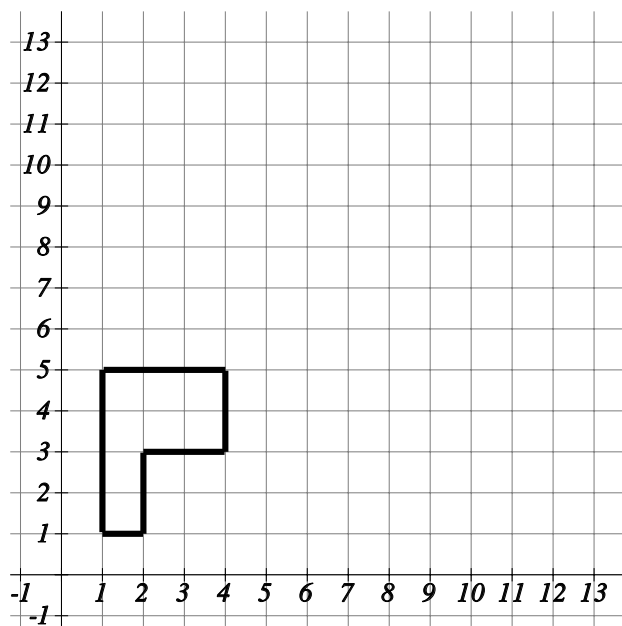
[1]

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



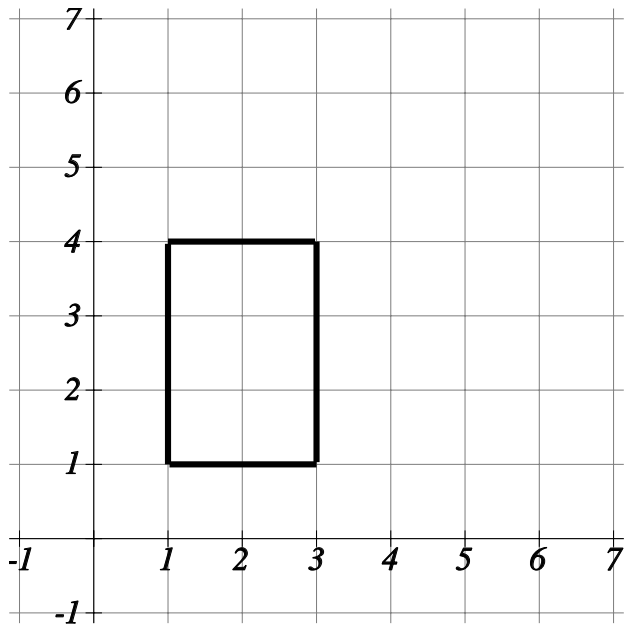
[1]

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



[1]

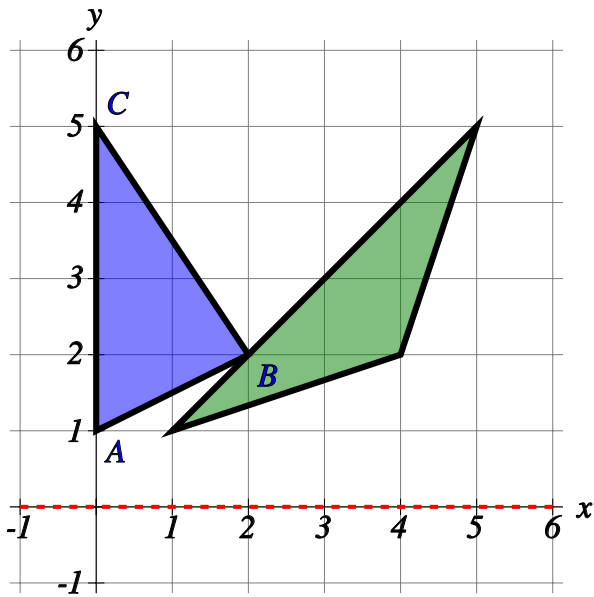
8) Shear the shape by shear factor 0.5 using the x-axis as the fixed line



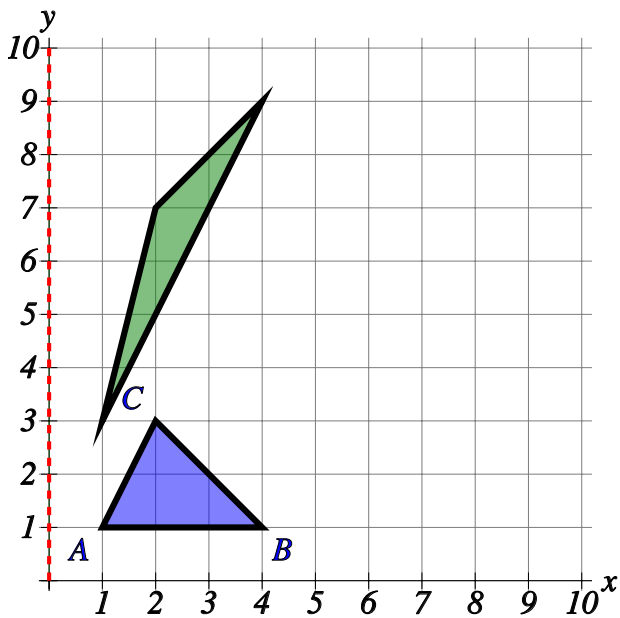
[1]

Solutions for the assessment Transformations - Shear

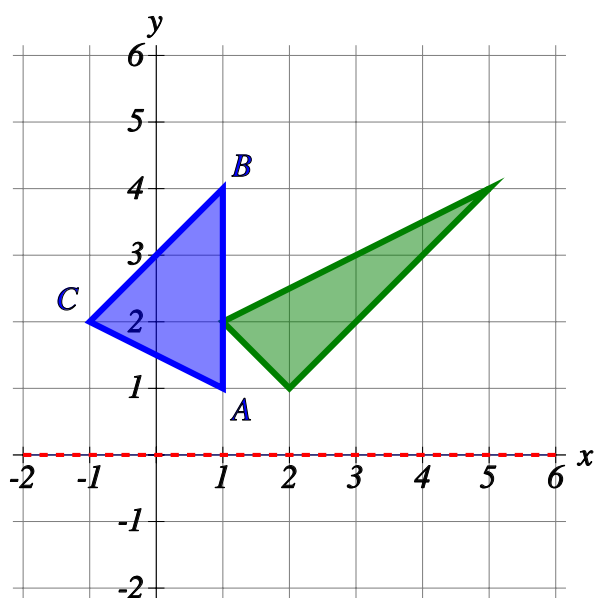
- 1)
Shearing the triangle ABC from fixed line x-axis, by shear factor 1 gives image point $A' = (1,1)$



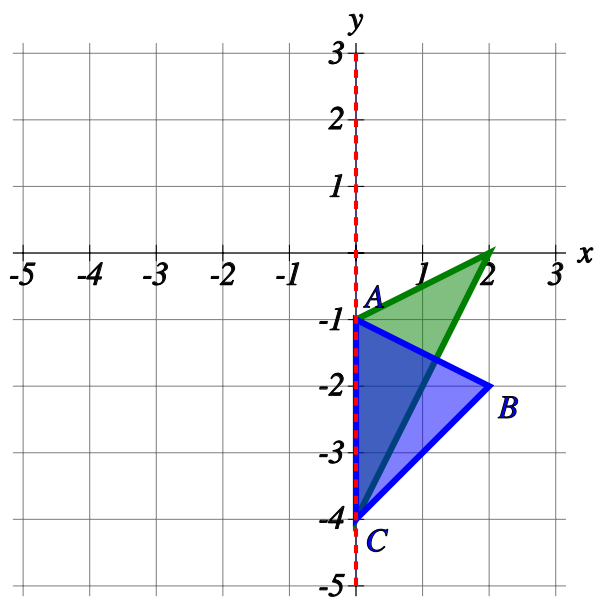
- 2)
Shearing the triangle ABC from fixed line y-axis, by shear factor 2 gives image point $B' = (4,9)$



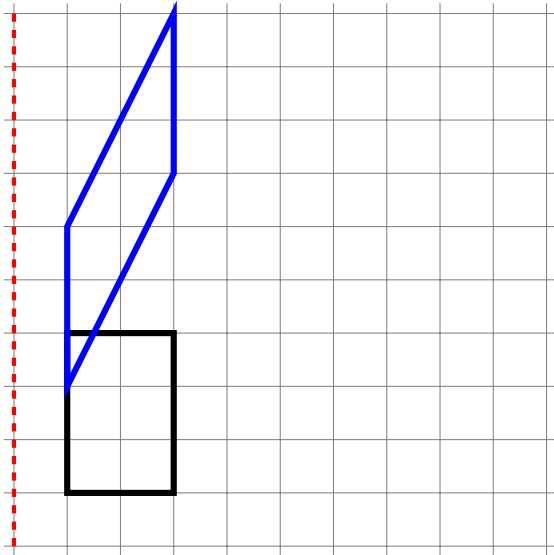
3) shear from fixed line x-axis by shear factor 1



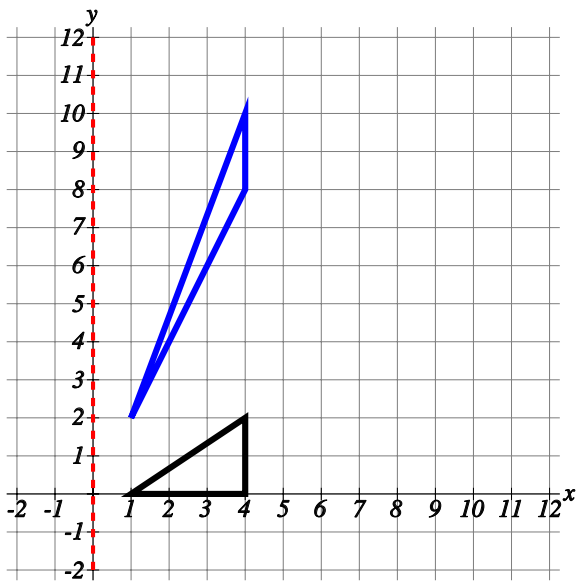
4) shear from fixed line y-axis by shear factor 1



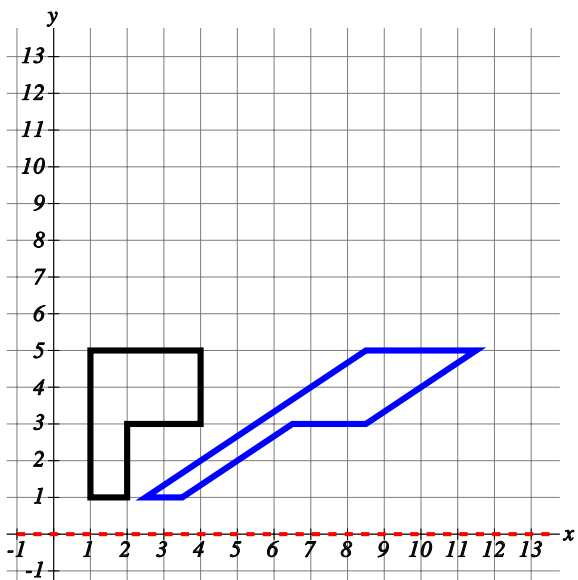
5)



6)



7)



8)

