

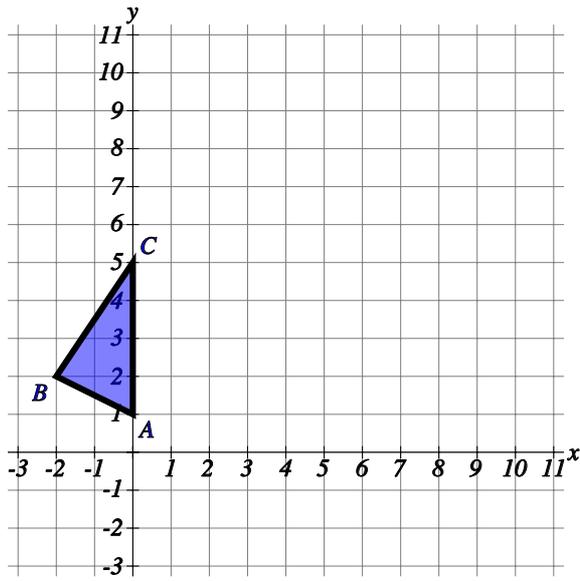
Transformations - Stretch

Name:	Class:	Date:
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Mark	/ 8	%
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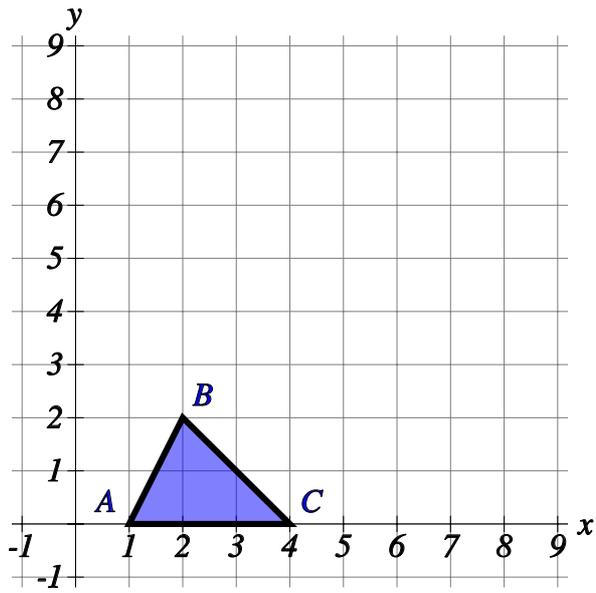
1) Stretch the triangle ABC, from fixed line x-axis, by stretch factor 2.
Give the coordinates of the image point B'

[1]



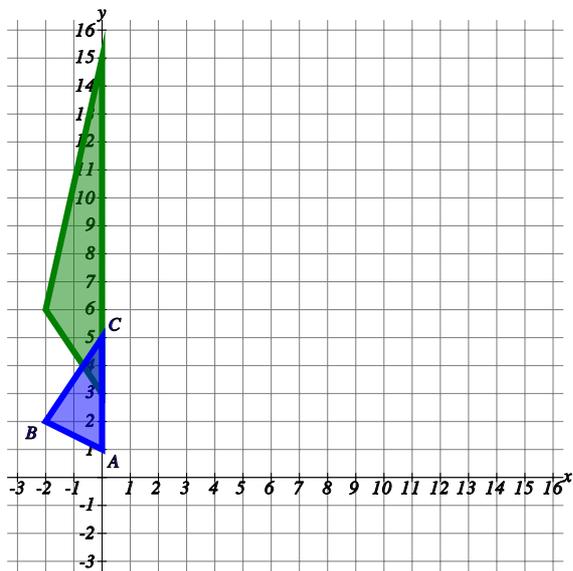
2) Stretch the triangle ABC, from fixed line y-axis, by stretch factor 2.
Give the coordinates of the image point B'

[1]



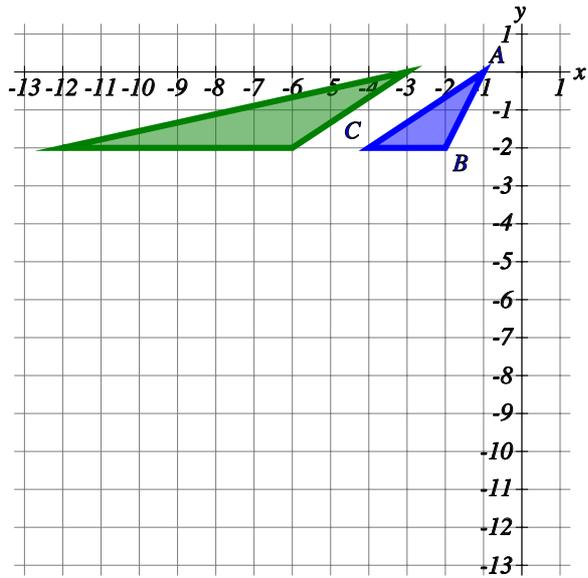
3) Fully describe the single transformation from the triangle ABC to its image

[1]

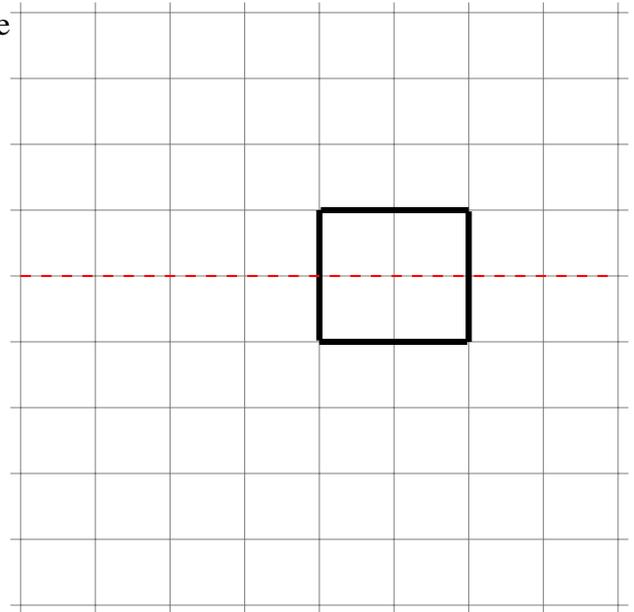


4) Fully describe the single transformation from the triangle ABC to its image

[1]

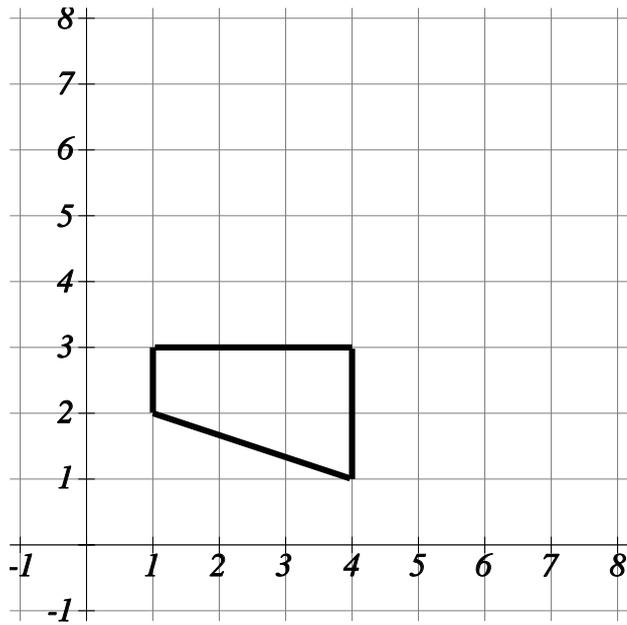


5) Stretch the shape by scale factor 2 from the dotted line



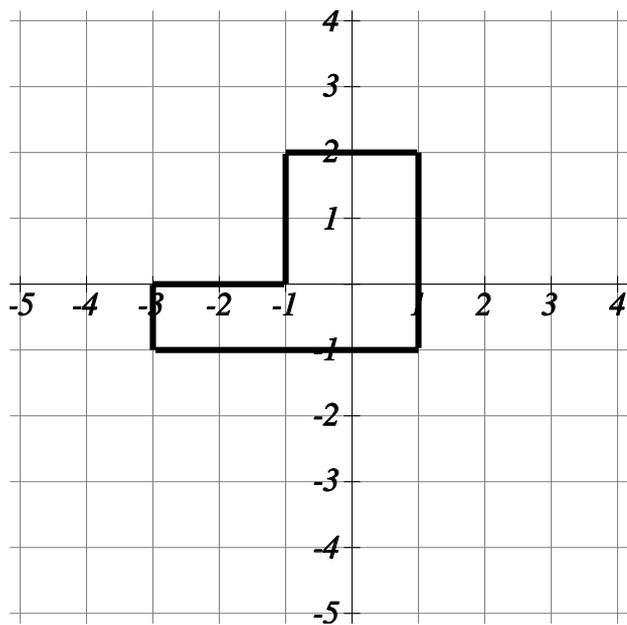
[1]

6) Stretch the shape by stretch factor 1.5 using the y-axis as the fixed line



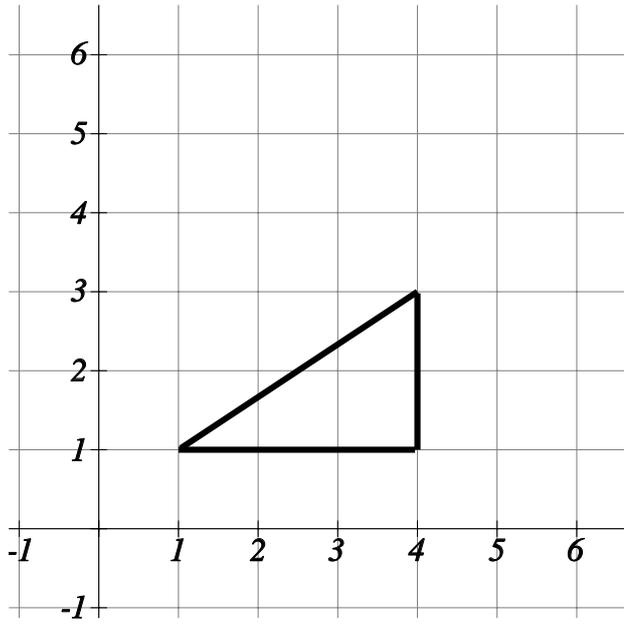
[1]

7) Stretch the shape by stretch factor 0.5 using the y-axis as the fixed line



[1]

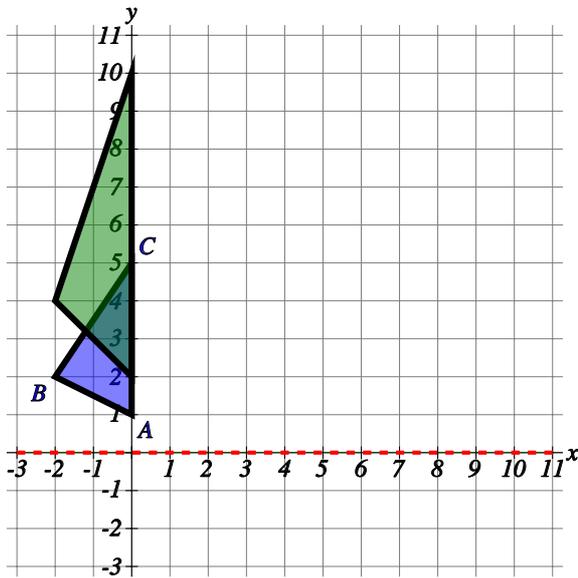
8) Stretch the shape by stretch factor 1.5 using the x-axis as the fixed line



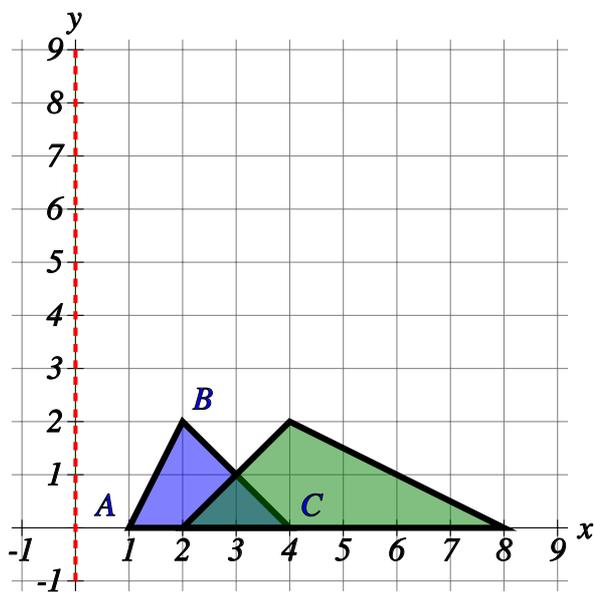
[1]

Solutions for the assessment Transformations - Stretch

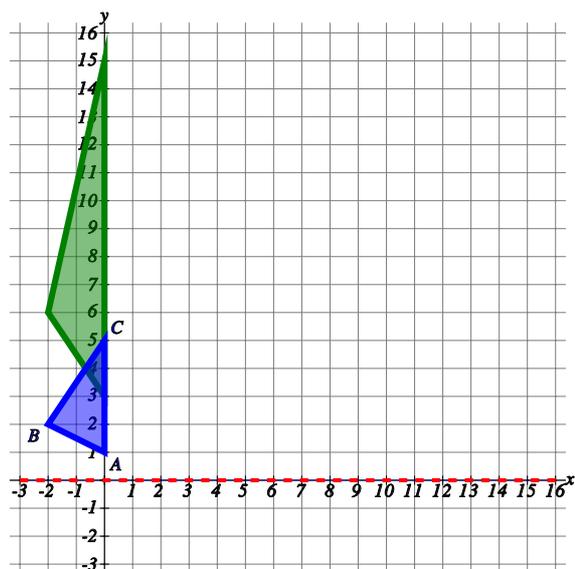
- 1)
Stretching the triangle ABC, from fixed line x-axis, by stretch factor 2 gives image point $B' = (-2,4)$



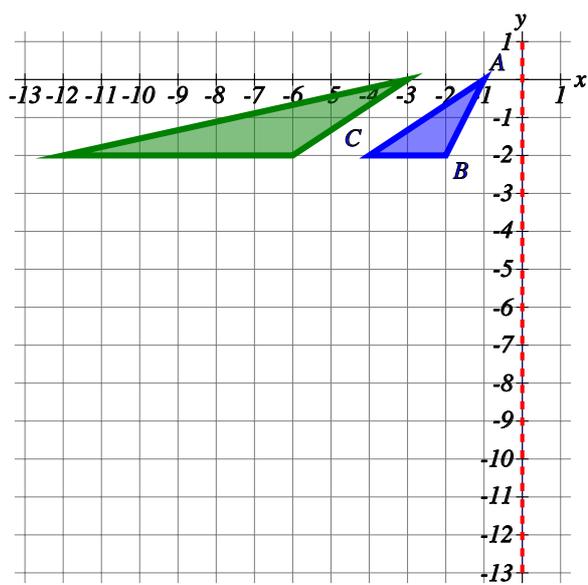
- 2)
Stretching the triangle ABC, from fixed line y-axis, by stretch factor 2 gives image point $B' = (4,2)$



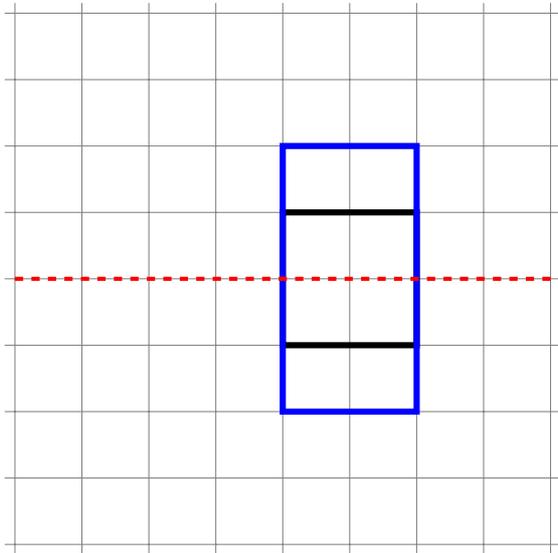
3) stretch from fixed line x-axis by stretch factor 3



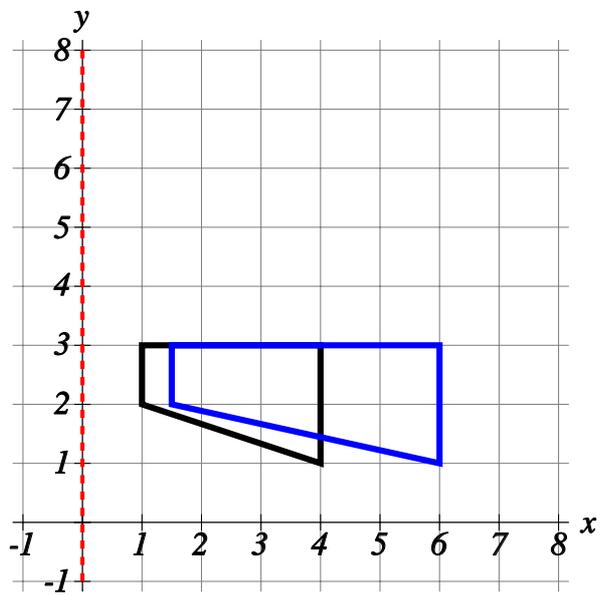
4) stretch from fixed line y-axis by stretch factor 3



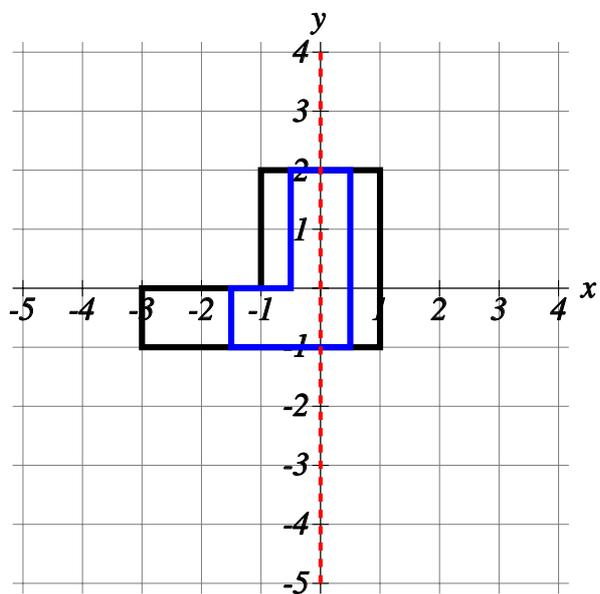
5)



6)



7)



8)

