

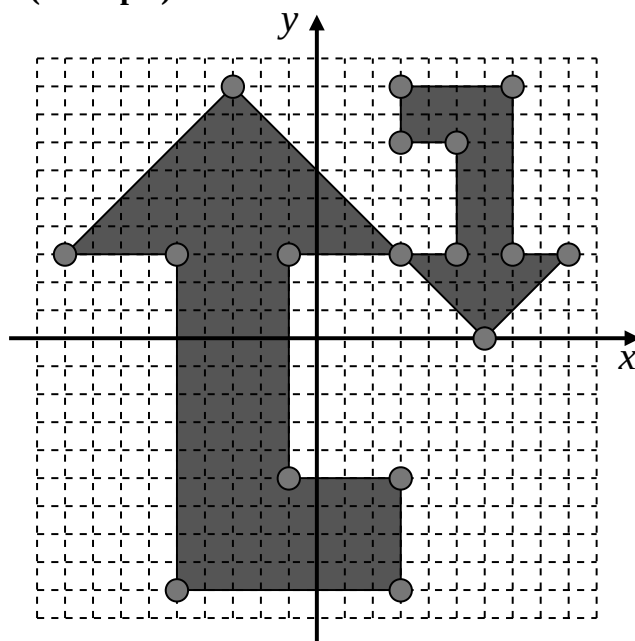
7.4 Answers

GCSE Mathematics Transformation Geometry

7.4.1 Solution (Example)

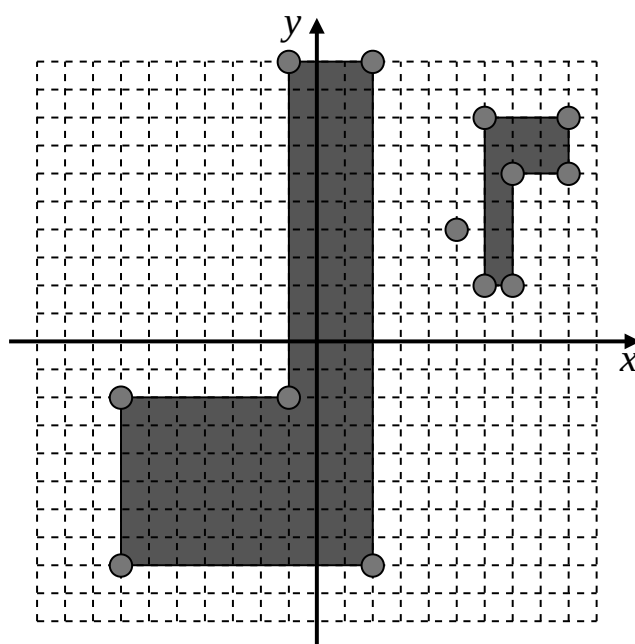
- (a) The image is congruent to the original shape and in the same location.
(b) There is no image. (It's collapsed into a singularity)

7.4.2 Solution (Example)

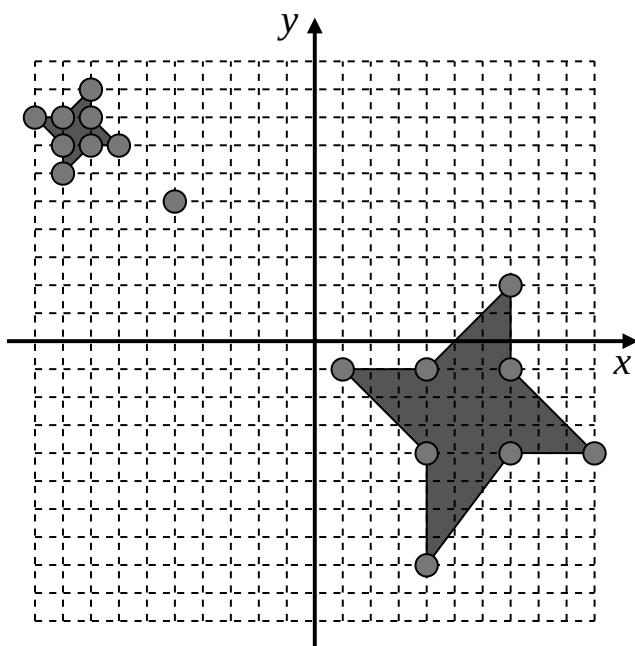


7.4.3 Solution (Exercise)

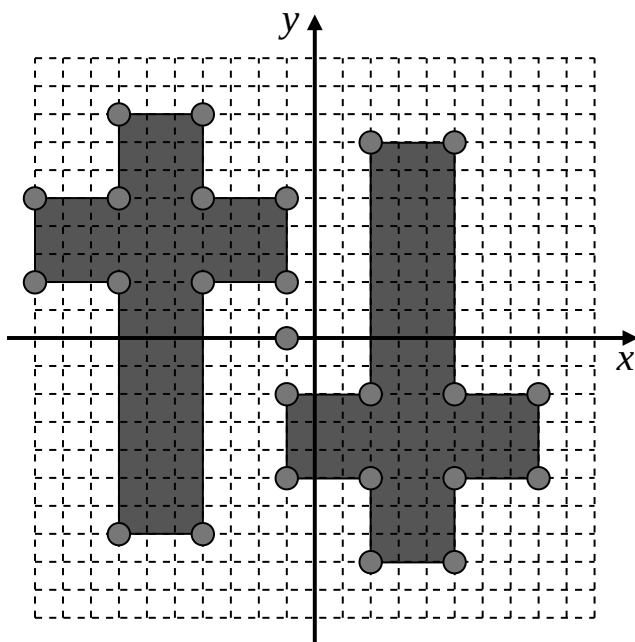
Answer 1



Answer 2

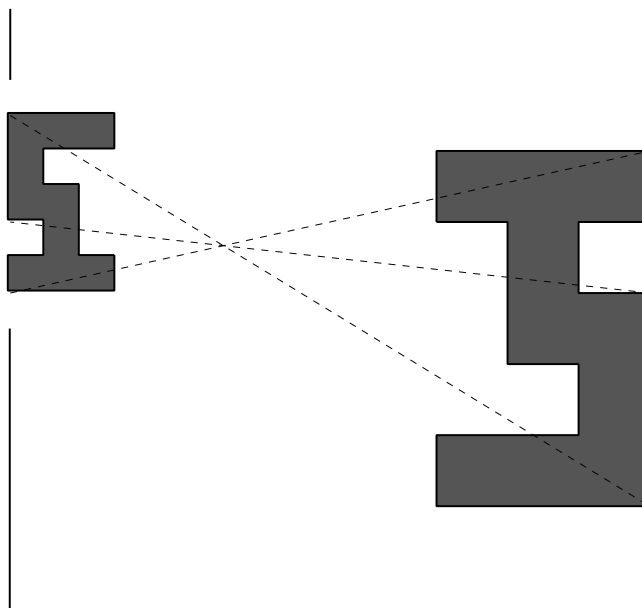


Answer 3

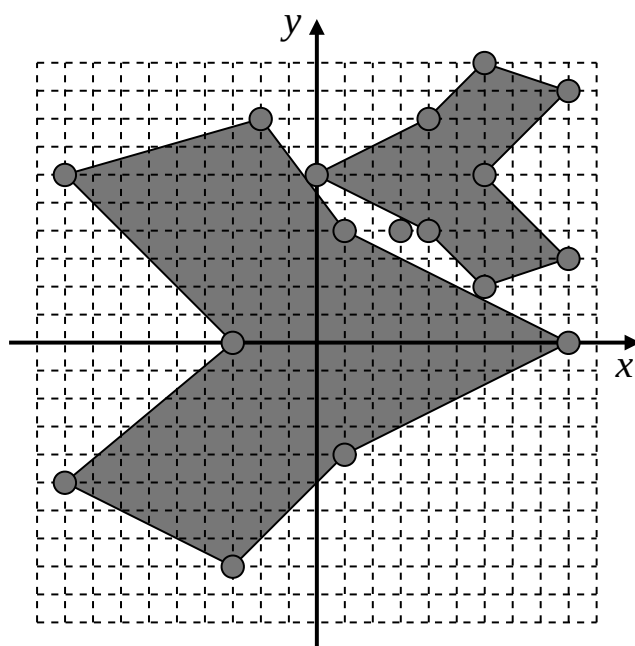


(e) Rotation of 180° about $(-1, 0)$

Answer 4



Answer 5



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In October 2020, Shrewsbury School was voted “**Independent School of the Year 2020**”

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Teachers may obtain detailed worked solutions to the exercises by email from mhh@shrewsbury.org.uk