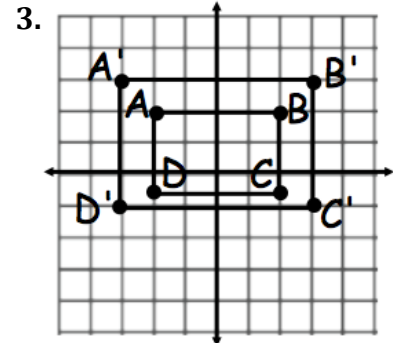
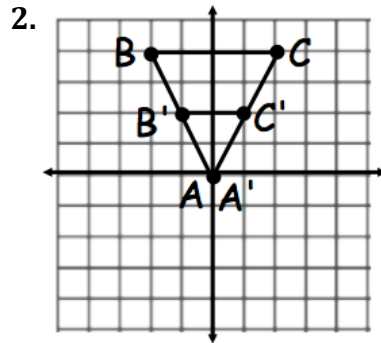
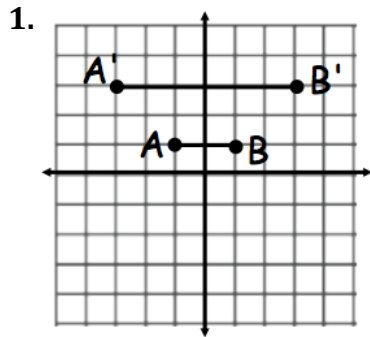
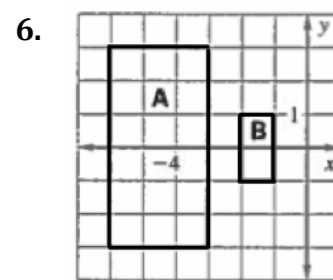
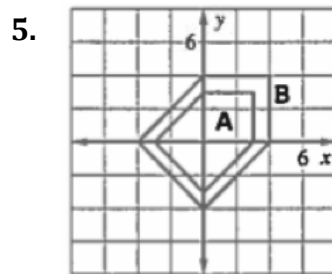
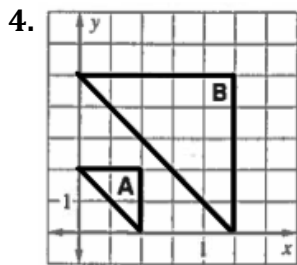


DILATIONS AND SCALE FACTOR

Determine whether the dilation is an enlargement or a reduction. Then, find its scale factor.

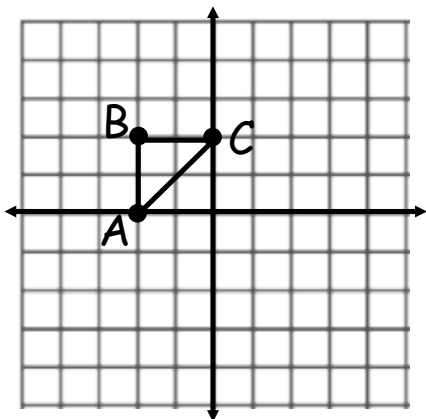


Determine whether the dilation from Figure A to Figure B is a reduction or an enlargement. Then, find its scale factor.



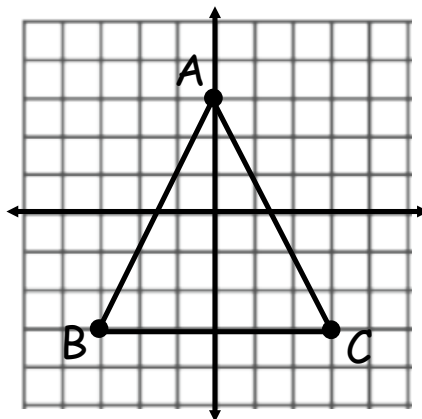
Draw the dilation of each figure according to the given rule.

7. $D_2(DABC)$



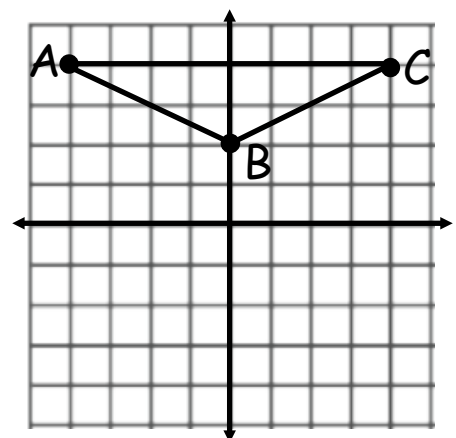
- A (-2, 0)
- B (-2, 2)
- C (0, 2)

8. $D_{\frac{2}{3}}(DABC)$



- A (0, 3)
- B (-3, -3)
- C (3, -3)

9. $D_{\frac{1}{2}}(DABC)$



- A (-4, 4)
- B (0, 2)
- C (4, 4)

SIMILARITY TRANSFORMATIONS

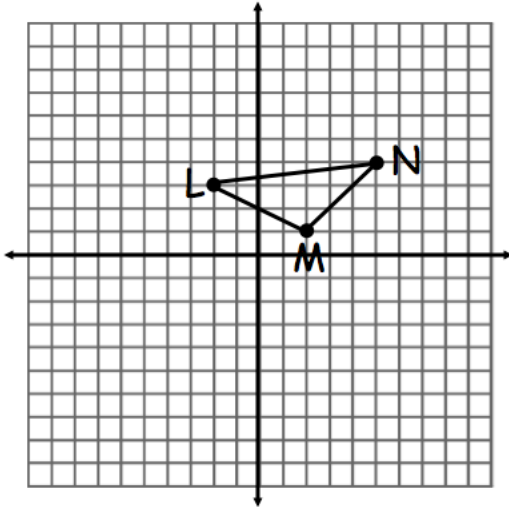
Sketch the image of $DLMN$ for each of the following composition of transformations.

10. $(R_{y\text{-axis}} \circ D_2)(\triangle LMN)$

L (-2, 3)

M (2, 1)

N (5, 4)

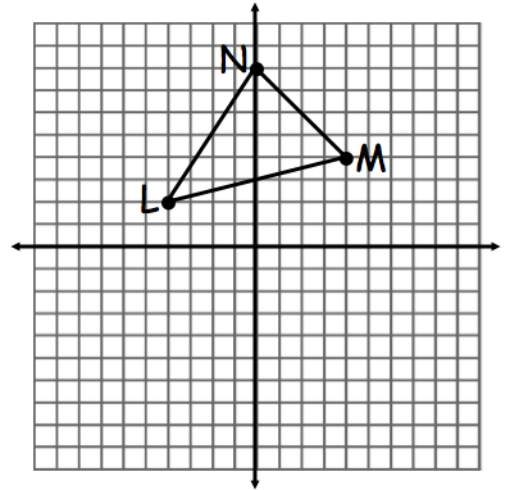


11. $(r_{(180^\circ, 0)} \circ D_{0.5})(\triangle ABC)$

L (-4, 2)

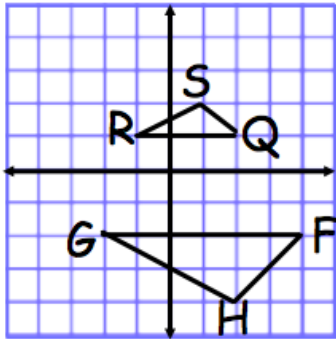
M (4, 4)

N (0, 8)

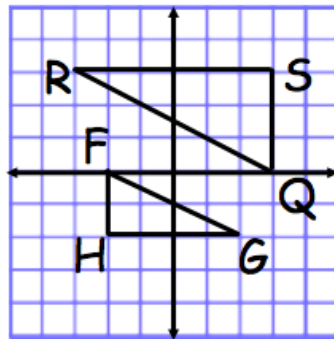


For each graph, describe the composition of transformations that maps $DFGH$ to $DQRS$.

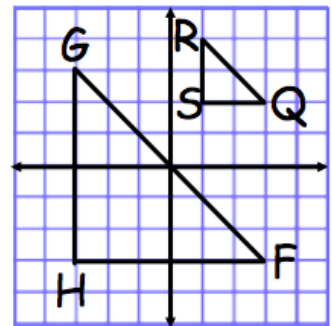
12.



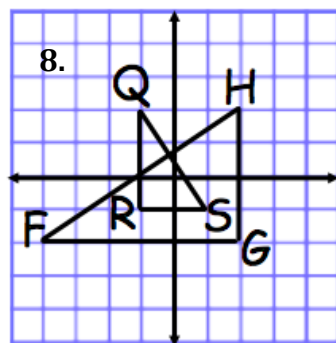
13.



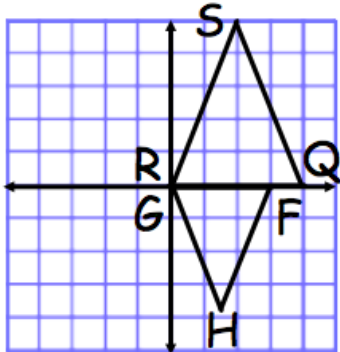
14.



15.



16.



17.

