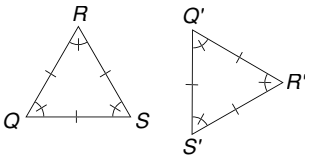
LESSON 8-5

Practice B

Transformations

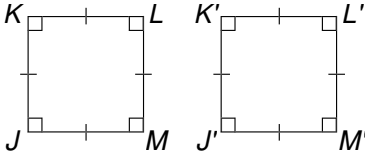
Identify each as a translation, rotation, reflection, or none of these.

1.



rotation

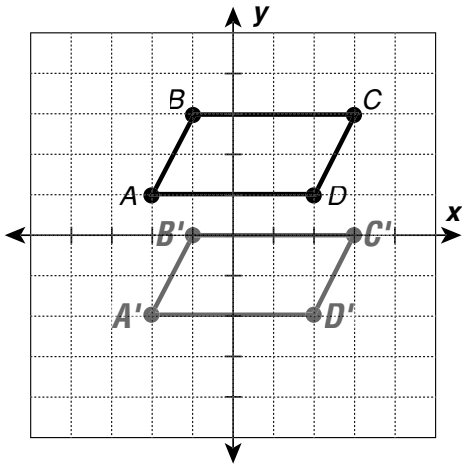
2.



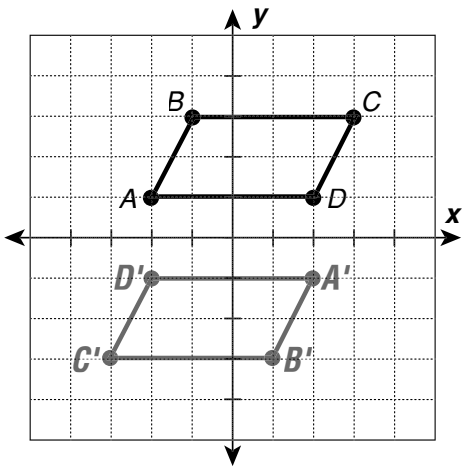
translation

Draw the image of the rectangle *ABCD* with vertices (−2, 1), (−1, 3), and (3, 3), (2, 1) after each transformation.

3. translation 3 units down

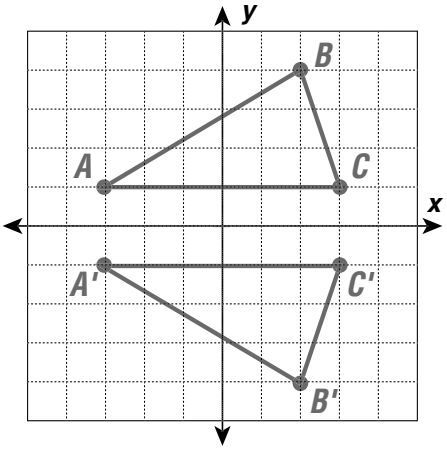


4. 180° rotation around (0, 0)



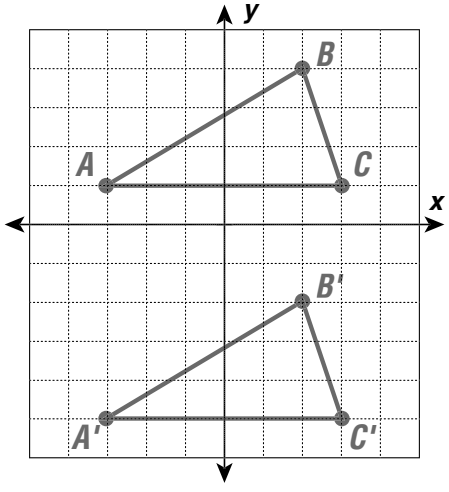
Triangle *ABC* has vertices *A*(−3, 1), *B*(2, 4), and *C*(3, 1). Find the coordinates of the image of each point after each transformation.

5. reflection across the *x*-axis, point *B*



B'(2, −4)

6. translation 6 units down, point *A*



A'(−3, −5)

Copyright © by Holt, Rinehart and Winston.
All rights reserved.