

Mathematics Toolkit: Grade 7 Objective 2.E.1.a

Standard 2.0 Knowledge of Geometry

Topic E. Transformations

Indicator 1. Analyze a transformation on a coordinate plane

Objective a. Identify, describe, and plot the results of one transformation on a coordinate plane

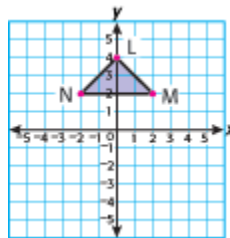
Assessment Limits:

Identify or plot the result of one translation (horizontal or vertical), reflection (horizontal or vertical), or rotation about a given point (90° or 180°)

Selected Response (SR) Item

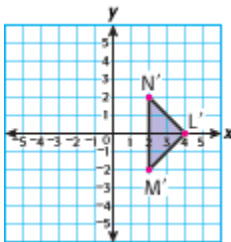
Question

Look at $\triangle LMN$ on the coordinate plane.

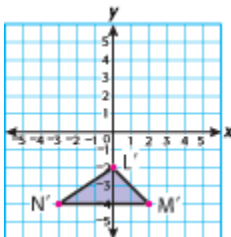


Which coordinate plane shows $\triangle LMN$ after a 90° counterclockwise rotation about the origin?

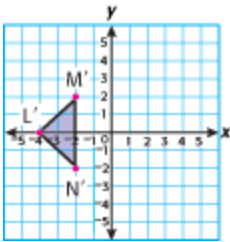
A.



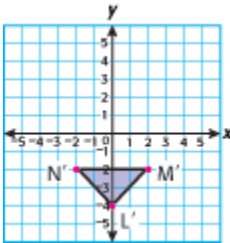
B.



C.

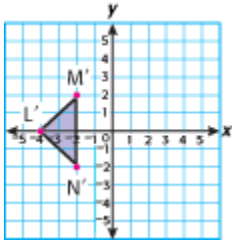


D.



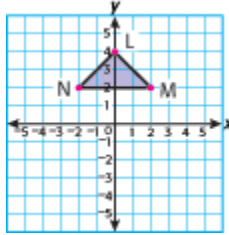
Correct Answer

C.



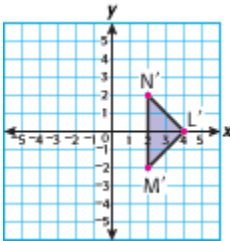
Question

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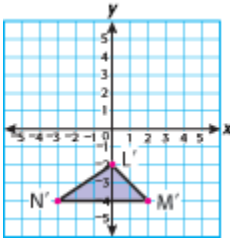


Which coordinate plane shows $\triangle LMN$ after a 90° counterclockwise rotation about the origin?

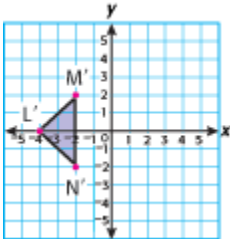
A.



B.



C.



D.

