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5ACE Exercise 16

Kaleidoscopes, Hubcaps, and Mirrors

Investigation 5

16. What single transformation is equivalent to a 90° (counterclockwise) rotation about the origin followed by a **270°(counterclockwise)** rotation about the origin?

HINT A 90° counterclockwise rotation is a rotation that moves an object 90° from its origin to the left (i.e., counterclockwise moves images to the left on a graph and clockwise moves things to the right).



What single transformation is equivalent to a 90° (counterclockwise) rotation about the origin followed by a 270°(counterclockwise) rotation about the origin?