

Task

10

Overview

Visualize a shape  
rotated 90 degrees.  
Draw the rotated shape.

# Rotating Shapes

## Short Task

### Task Description

In this task students are asked to look at a given shape and to visualize what that shape would look like if it were rotated 90 degrees. Then they draw the rotated shape.

### Assumed Mathematical Background

Students should have had some experience with rotational symmetry.

### Core Elements of Performance

- construct an accurate rotation of an 8-sided polygon

### Circumstances

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**Grouping:** Students work to complete an individual written response.

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**Materials:** No special materials are needed for this task.

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**Estimated time:** 5 minutes

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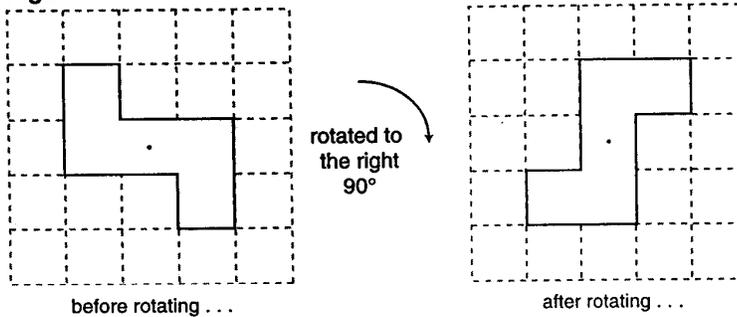
# Rotating Shapes

This problem gives you the chance to

- draw an accurate rotation of a geometric shape

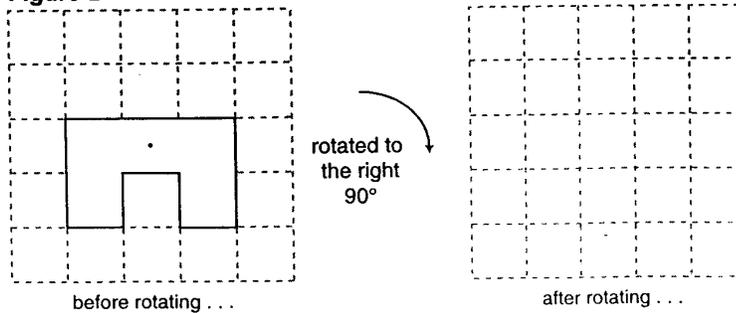
Zoila rotated Figure A  $90^\circ$  to the right around the pin at the center of the grid.

Figure A



Look at Figure B. Rotate this shape  $90^\circ$  to the right around the pin. Draw the rotated shape on the grid.

Figure B

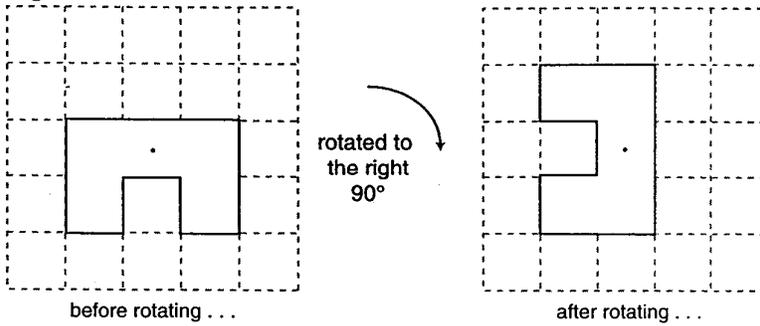


# A Sample Solution

Task

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Figure B



*Rotating Shapes*

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