

Jests for Symmetry & EVEN/ODD FUNCTIONS

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Tests for Symmetry & EVEN VS. ODD FUNCTIONS

Coloring activity

Objective: To determine if relations are symmetric to the x-axis, y-axis, origin (or all). Students will also identify functions that are even, odd, or neither.

Directions:

- 1) Copy the "Tests for Symmetry & Even vs. Odd Functions" page and coloring picture for each student. I typically copy the coloring sheet on the back to save paper.
- 2) Students identify the symmetry for each problem. I have my students show all work on a separate sheet of notebook paper to prove the symmetry. They check their answer for each problem, which identify a color for each question number.
- **3)** After solving all the problems, students color the picture. The question numbers and selected answers reveal how to color the picture. For example, if "red" is checked for question #1, then all 1's on the picture are red.

I have them staple their work to the paper and turn in for a classwork grade.

