

Dests for symmetry \& EVEN/ODD FUNCTIONS

## Created By: ALL THINGS ALGEBRA®

# Tests fer Symmentivy 8 EVEN VS. ODD FUNCTIONS 



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 l's on the picture are red.

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


