

# Coordinate Plane Graphing Project

Emphasis on plotting and identifying ordered pairs

## What you will need:

1. A basic coloring sheet
2. Two pieces of Graph paper
3. A blank ordered pair sheet containing 100 cells
4. A copy of ordered pairs that have previously created

## Reason for the project:

Tomorrow we will be graphing various types of functions. The most essential aspect of graphing is being able to properly identify and graph ordered pairs on the coordinate plane.

## The Project:

### PART 1

1. Select one of the provided basic coloring sheets.
2. Find a window or door to tape your graph paper on top of the basic coloring sheet.
3. Lightly trace your coloring sheet onto the graph paper.
4. Create at least 100 dots around the outline of your picture (lattice points or half points only)
5. Write the order pair of all the dots that you have created on top of your outlined coloring sheet.

### PART 2

1. Graph all of the points from the list of ordered pairs that were provided to you.
2. For extra credit, attempt to identify the image that would be created if these dots were connected.

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Grading Rubric

<b>Item being Graded</b>	<b>Points Earned</b>
<p data-bbox="396 478 594 506"><i>Up to 100 Points</i></p> <p data-bbox="207 548 781 611">Points for correctly identifying the ordered pairs you have created on your outline.</p>	
<p data-bbox="396 1083 594 1110"><i>Up to 100 Points</i></p> <p data-bbox="207 1152 781 1215">Points for correctly plotting the ordered pairs of the list your classmate exchanged with you.</p>	
<p data-bbox="342 1688 638 1715"><i>20 Points of Extra Credit</i></p> <p data-bbox="201 1757 779 1862">Correctly identifying the basic coloring sheet content plotted by the classmate you exchanged ordered pairs with.</p>	