

# Summer School Graphing Project

Emphasis on the Coordinate Plane

## What you will need:

1. A basic coloring sheet
2. Two pieces of Graph paper
3. Two pieces of lined paper

## 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:

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. Identify a minimum of 100 dots that will allow your picture to be outlined.
5. Write the order pair of all the dots that you have created on top of your outlined coloring sheet.
6. Rewrite the list of ordered pairs on a second piece of lined paper.
7. Give the outlined graph along with one copy of the ordered pairs to the teacher.
8. Exchange the second copy of ordered pairs with another student from the classroom.
9. Graph the persons ordered pairs that they identified onto the second piece of graph paper.
10. Identify what their picture was of.

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## Grading Rubric

<b>Item being Graded</b>	<b>Points Earned</b>
<p style="text-align: center;"><i>Up to 100 Points</i></p> <p>Points for correctly identifying the ordered pairs you have created on your outline.</p>	
<p style="text-align: center;"><i>Up to 100 Points</i></p> <p>Points for correctly plotting the ordered pairs of the list your classmate exchanged with you.</p>	
<p style="text-align: center;"><i>20 Points of Extra Credit</i></p> <p>Correctly identifying the basic coloring sheet content plotted by the classmate you exchanged ordered pairs with.</p>	