Geometry Unit 1 Task 1

The City Planning Office has some specifications to follow for park designs. Given a piece of graph paper, a ruler, a protractor, and compass, create a top view of a city park with the following specifications:

1. The park must be divided into four congruent quadrants.

2. Your park must include the following geometric elements:  
• A set of parallel pathways.  
• A pair of pathways that are perpendicular  
• An area that is circular  
• Park borders that are city streets that intersect in at least one obtuse angle  
  
3. Your park must include areas designated as a garden, athletic field, basketball courts, fountain, playground, bathrooms, and open green area.  
  
4. Rotate, translate or reflect one of your existing elements to create a new element in a different quadrant of your park.

5. Complete the Unit 1 Task 1 Worksheet