City Manager Project: Math 8 – 8.G.5

The city of Pawnee needs your help! Leslie Knope, Deputy Director of Parks and Rec, wants to restructure the city to accommodate more parks. She is particular of where the parks are built. Your job is to recreate a city map with the specifications listed below. When you are done, turn your plans in to Director Ron Swanson for final approval.

Materials:

Ruler, butcher paper, colored pencils, pencil

Directions via Ms. Knope:

1) Draw three streets that are parallel to each other. Label them Alabama, Iowa, and Utah. They need not be equidistant. (3 pts)
2) Draw a street as a transversal and label it as Main. (2 pts)
3) Place the school at an **exterior angle**. Label it Pawnee Elementary. (2 pts)
4) Place city hall at the **alternate exterior angle** of the school. Label it city hall. (2 pts)
5) Place a park at the **vertical angle** of city hall. Label it Pawnee Park. (2 pts)
6) Place the library at the **corresponding angle** of the park. Label it Lincoln Library. (2 pts)
7) Leslie requests that JJ's Diner relocate locations to be right next to city hall and be **supplementary** to the park. (2 pts)
8) Another park needs to be built at the **corresponding angle** of the diner. Label this as Pawnee Park 2. (2 pts)
9) The ice rink is looking for a new home. There is an empty warehouse located at the **vertical angle** of Pawnee Park 2. Label this Ice Palace. (2 pts)
10) Almost forgot the courthouse! Place the courthouse at an **alternate exterior angle** from Pawnee Park 2. (2 pts)
11) There should be three empty "lots" remaining in downtown Pawnee. Place "For Sale" signs in these spots. Describe the relationship of the "For Sale" signs in relation to another landmark. (3 pts)

Ron will only accept city maps that are neat and orderly, colored, appropriate labeled, and with pictures. Make sure your final product is flawless (5 pts)

Total Points_____/24

Ron Swanson Review: