Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date\_\_\_\_\_\_\_

Period\_\_\_\_

Unit 1 Task 1 Worksheet

1. Explain in one sentence why each of the following elements in your city park fits the description. Use the sentence frame below to complete each part. The first one is done for you.

The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is/are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Four congruent quadrants: The four quadrants are congruent because each quadrant is a rectangle with equal lengths and widths.
2. Parallel pathways:
3. Perpendicular pathways:
4. Circular area:
5. Obtuse angle park border:
6. In part four of the task you were asked to either rotate, translate, or reflect one of the existing elements of the park to create a new element in a different quadrant of your park.
7. Which transformation did you do?
8. Specify the steps you took to create this transformation.
9. Is there a sequence of two or more transformations that could be used so that the result is the same as your single transformation? Explain in at least three complete sentences.