Name: _____

Amusement Park Motion

<u>Task</u>: *HersheyPark is looking to open a new ride this summer. They need your help in designing a thrill seeking ride! Using K-NEX create and build a ride that at least 2 people (Lego guys) can ride at a time.*

New Ride name:

Main type of motion:

Describe any other motions, speed, height the ride makes:

<u>Park Map:</u>
Use the park map to identify 2 sets of parallel roads, 2 sets of perpendicular roads and 1 set of intersecting roads. Using a red colored pencil- identify 2 right angles on the map. Using a green colored pencil identify 2 obtuse angles on the map. Using a blue colored pencil identify 2 acute angles on the map.

Parallel Roads:

_____ & _____

_____ & _____

Perpendicular Roads:

_____ & _____

_____ & _____

Intersecting Roads:

_____ & _____

Standards:

S4.C.3.1.1 Compare the relative movement of objects or describe types of motion that are evident (e.g, bouncing ball, moving in a straight line, back and forth, merry-go-round)

M04.C-G.1.1.1 Draw points, lines, line segments, rays, angles (right, actute, obtuse), and perpendicular and parallel lines.

M04.D-M.3.1.1 Measure angles in whole-number degrees using a protractor. With the aid of a protractor, sketch angles of a specified measure.

Enrichment: Using a protractor measure and label the degree of each identified angle.

Park Map to Project: (fill in ride name with created names)