**Where am I Lab**

|  |  |
| --- | --- |
| Map #11. -5.3cm x2. 16.2cm @ 38o3. -19.2cm y4. 13.1cm @ 108o | Map #21. 9.5cm y2. 19.4cm @ 295o3. -15cm x4. 11.7cm@ 36o |
| Map #31. -6.5cm y2. 6.2cm @ 327o3. 21.4cm @ 119o4. 12.1cm x | Map #41. 8cm x2. 14cm @ 215o3. 8.2cm y4. 13.8cm @ 35o |
| Map #51. -6.8cm x2. 17.4cm @ 36o3. -18.2cm y4. 12cm @ 160o | Map #61. 9.6cm y2. -7.1cm x3. 18.4cm @ 327o4. 16.5cm @ 208o |

Directions – Pick a map. You will need a piece of graph paper, a ruler, a 360o protractor, and a set of directions.

1. Start at the center of the paper with the paper in landscape orientation, follow the directions placing them tip to tail like you are following a treasure map. The angles are trigonometric angles, so 0o is the x axis, 90o is the y axis, 180o is the –x axis, and 270o is the –y axis.
2. Come up with a shorter set (1 or 2 directions) that do the same thing.
3. Starting at the same location, follow the directions in a different order. (Does the order matter?)