CIVL 1112 – Assignment #12

Name: _____

Objective

The purpose of this assignment is twofold: (1) review computing the bearings of a traverse based on survey data and a reference bearing, and (2) use your spreadsheet to compute the area of the traverse and the x and y coordinates of the points of your Project #3 site.

Part 1: Using the traverse data collected in the lab, determine the bearings of each side and then use your traverse spreadsheet to compute the corrected and balanced latitudes and departures for the traverse. Show all work for determining the bearing of each side (follow the **homework format**)

Part 2: Use your traverse spreadsheet to compute the latitudes and departures, balance the latitudes and departures with the compass rule, area using DMD, the *x*- and *y*-coordinates, assuming point A is (200, 200), and plot the traverse area.