COT 4521: Intro. to Computational Geometry (Fall 2020)

Worksheet 13

Ground Rules

This assignment is intended to be solved within your group. However, you must submit your own answers. For all questions we expect you to show yours work!

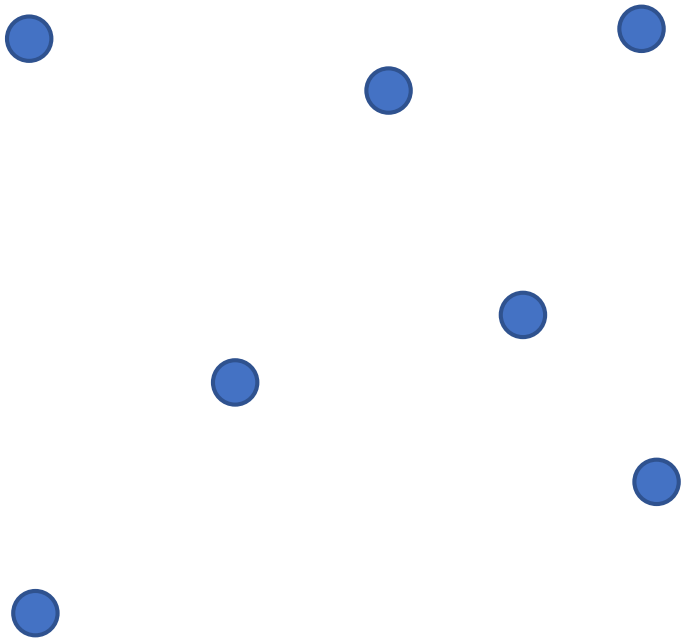
Submission

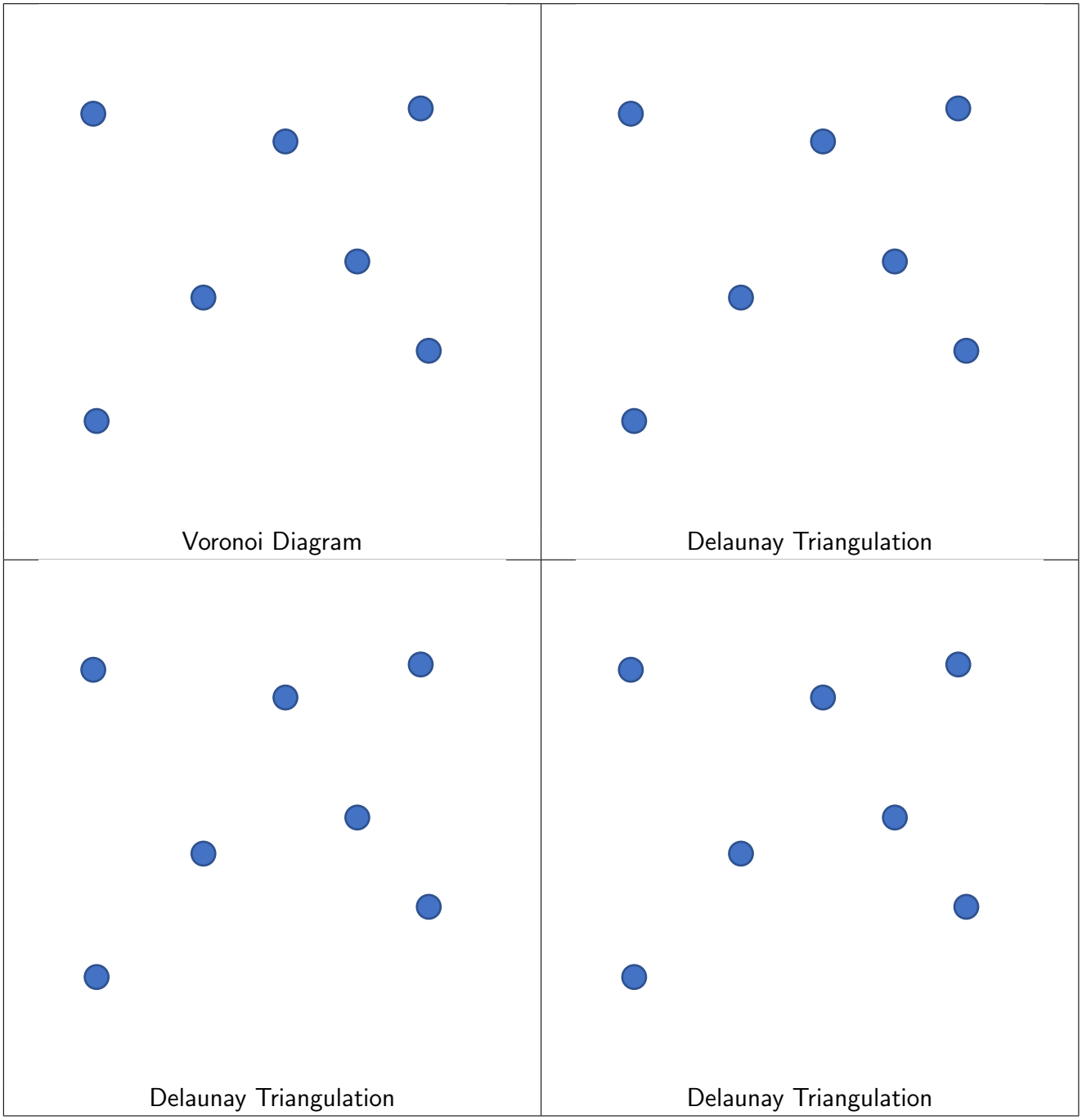
Upload your answers and associated work to canvas as a single scanned, typed, or photographed PDF document. Be sure that your submission is legible.

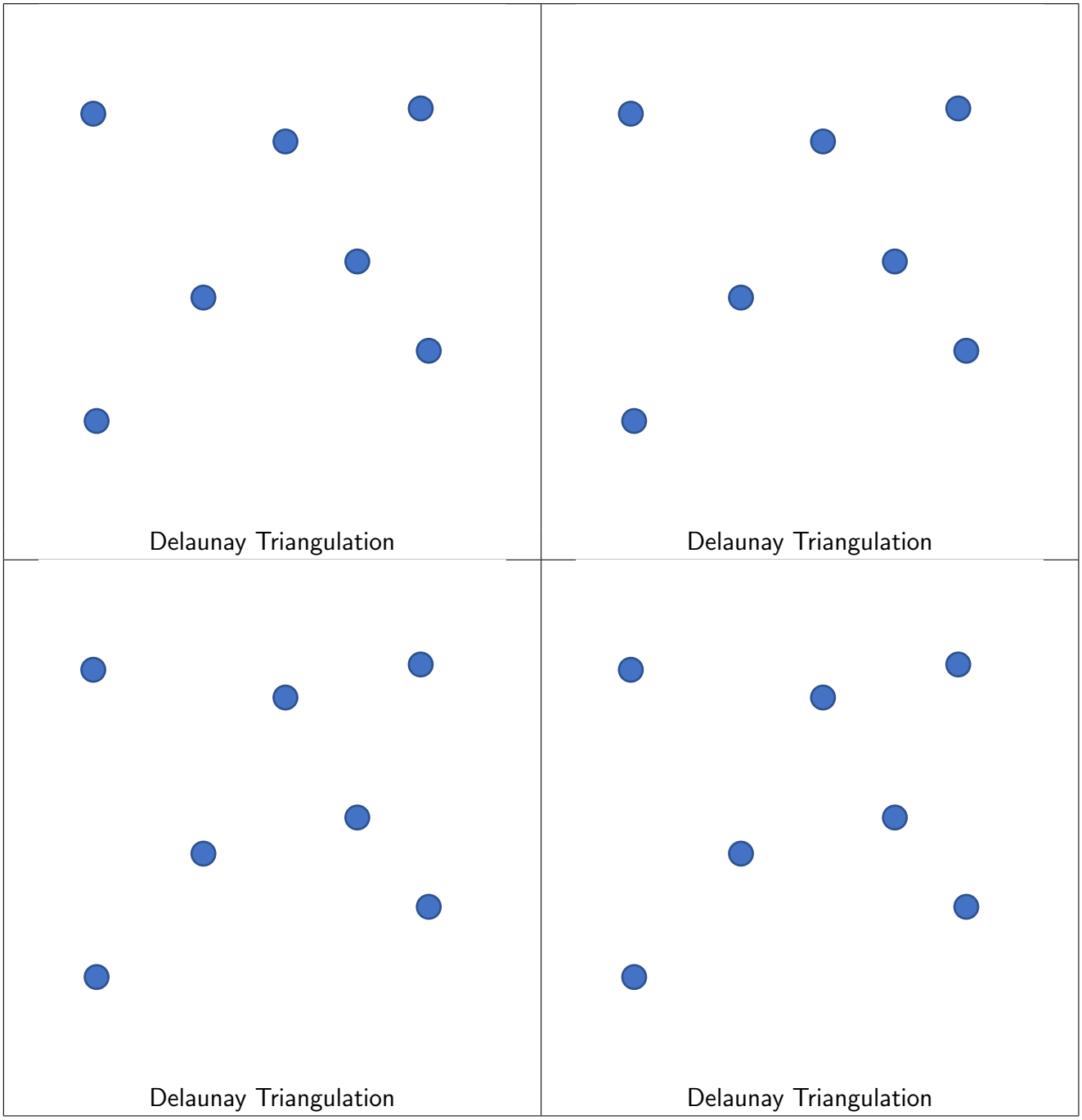
Assignment

For the points below, first draw the Voronoi diagram (using any method, no need to show the steps). Next, use the Voronoi diagram to determine the Delaunay Triangulation. Show the algorithm using the following pages. Be sure to show all of the steps of your process.

- Determine the best/average/worst case big-O for the Delaunay Triangulation computation.




Voronoi Diagram
Delaunay Triangulation
Delaunay Triangulation
Delaunay Triangulation


Delaunay Triangulation
Delaunay Triangulation
Delaunay Triangulation
Delaunay Triangulation