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

Worksheet 4

Ground Rules

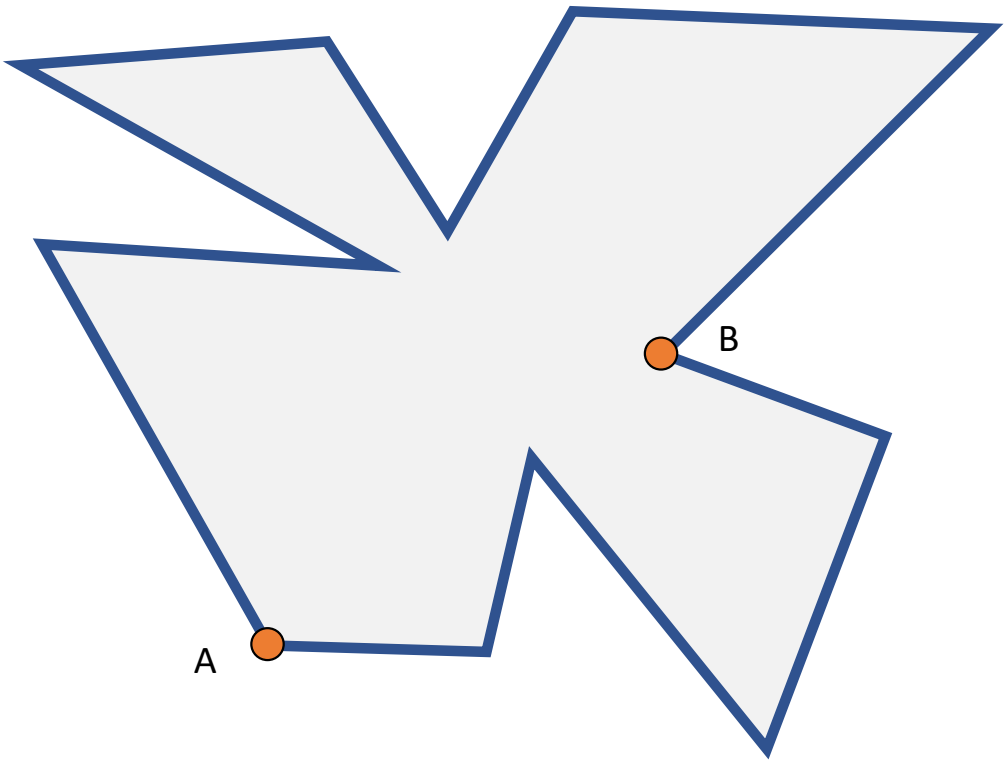
This assignment is intended to be solved within your group. However, you must submit your own answers. For all questions we expect you to show yours work!

Submission

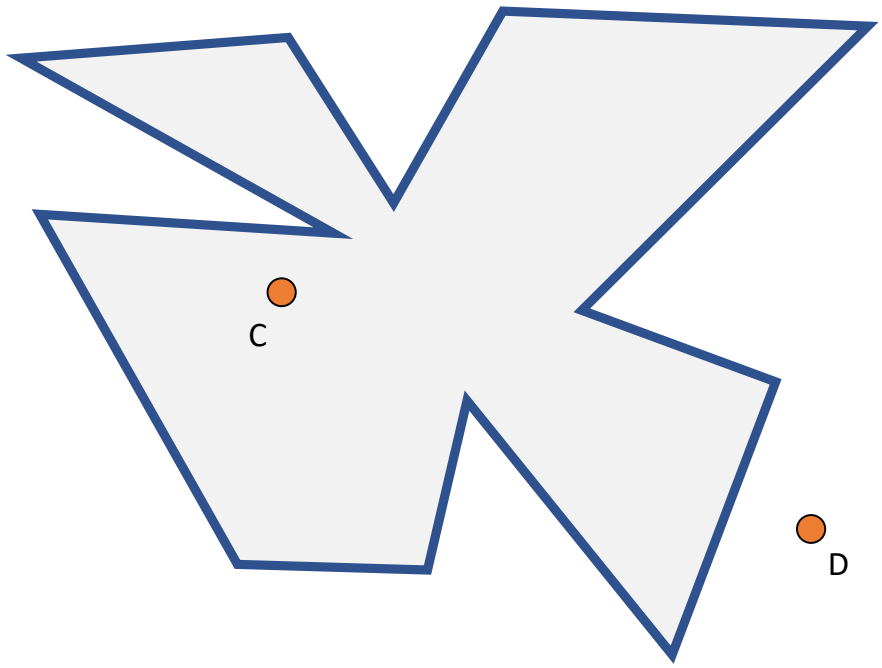
Upload your answers and associated work to canvas as a single scanned, typed, or photographed PDF document. Be sure that your submission is legible.

Assignment Instructions

1. For the following polygon draw all *possible* diagonals from A and B. For each possible diagonal, test if it is valid. if not, state the reason.



2. For the following polygon show how you would determine if C and D are inside or outside of the polygon.



3. For the following polygon show how you would calculate the area of the polygon.