

AMERICAN UNIVERSITY OF ARMENIA

College of Science and Engineering

CS 217 / 317 Computer Graphics

Assignment 1 Part 2

SUBMISSION DEADLINE:

Thursday, September 22, 2022

Task 2: Translate, rotate, and scale a polygon. The application should receive an arbitrary number of points and connect them with lines to form a polygon.

1. On R and T key presses, the polygon should rotate clockwise and counterclockwise.
 2. On S and D key presses, the polygon should scale up and down.
 3. On arrow keys, the polygon should move left, right, up, and down.
- Use matrices for all the above operations.