

Date:

## Wednesday Challenge Form

Group Members: Nicolas, Edgar, Alex, Auron

**Problem Statement:** Students are to create three transitions and stack them on top of each other from smallest diameter transition to largest diameter transition.

**Approach:** My group created a mold out of a water bottle and a Pepsi can. We then constructed our transitions based on how the mold was shaped. We dabbed water on our cardboard so that it would bend more and used a combination of box cutters and scissors in order to cut them.

**Solution:** Alvin won the challenge. His transitions were more smooth and convex than ours. We should've dedicated more time towards building the transition instead of trying to account for tedious and rather useless calculations (afterall, our transitions were created with the help of a mold).

**Lessons Learned:** It's important to dedicate a considerable amount of time towards the actual construction of an object.