

Ocean Front Property

Josh Longo

Submitted to Jennifer Greenwood for MATH-111



Summary

The project given to me was about three ocean front properties. I was given some measurements for the properties and was tasked with finding the amount of ocean front property each lot had, and the area in acreage. The given measurements themselves did not give solutions to the problems, but they were used in the process for finding the solutions.

Challenges

The first challenge that came up was beginning the assignment itself. At first, I did not see a solution with the given information. However, I was eventually able to see that all the lots, and the larger overall lot of all three lots, were similar polygons. Knowing this, I was able to use a scale factor to solve for the remaining needed measurements and find the solutions.

General Education Connection

Communicate ideas in written, oral, and other modes as appropriate to a situation and audience. | Apply quantitative and scientific reasoning skills relevant to a field of study. | Employ various thinking strategies to develop well-reasoned judgments.

This assignment gave me measurements that would not solve the questions in one step. Instead, I had to use creative thinking to determine a route to the solution. Upon finding the solutions, I checked each solution against the others to see if they made sense such as lot A is visually larger than lot C in ocean front property, so the answers should reflect this.

Application

I took this class because I wanted to take the CAD class, Solidworks. This is a Computer Aided Design software that is used to create real world parts and objects. My field of study is engineering, where I will use knowledge of geometry and measurement to create real world parts both with and without Solidworks. This assignment helped me understand that not all the information may seem valuable at first, but measurements can be found in many ways, and any information can and will be valuable. I have no doubt this idea will be used in the future of my field.