

Assignment #4A - Similar Outcomes

[24 marks]

Assignment Objective

Using the techniques described in class, you will calculate height / distance of objects in an around our school. Specifically:

- The width of 15th St. E
- The height of the school, using the Mirror Method
- The height of one other tall object on school property (pole, tree, portable, etc.) using the Shadow Method

Each person in the group must solve one of the problems. You can submit this assignment on paper (please *print* your photos) or electronically with Google Docs / Google Slides.

Scoring (per question)

- 2 marks for sufficient evidence of the setup (picture of the object and of any relevant measurements, such as a distance along the ground, or a shadow.)
- 2 marks for an appropriate diagram of the situation
- 3 marks for the solution, and
- 1 mark for a comment of the accuracy of your solution.
(Was your answer realistic? Could you check it another way?)

Criteria	Problem 1	Problem 2	Problem 3	Total
Setup (/2)				
Diagram (/2)				
Solution (/3)				
Accuracy (/1)				
Comment (if needed)				