

Handout for Height Measuring Project

Group Members: _____

Object 1: _____

Diagram

Eye height _____

Distance _____

Angle _____

Calculated Height _____

Object 2: _____

Diagram

Eye height _____

Distance _____

Angle _____

Calculated Height _____

Object 3: _____

Diagram

Eye height _____

Distance _____

Angle _____

Calculated Height _____

Don't forget to record the actual height for one of the objects!

Questions

Answers to the following questions should be typed on a separate page.

1. When you verified the actual height of one of your objects, did it match your calculations?
If not, why do you think that was?
2. What are some benefits and drawbacks of measuring things this way?
3. While mountains cannot be measured using this technique, they can be measured using similar methods.
What would you have to do differently to measure the height of a mountain? (*Hint: Section 4.3*)