

## **Assignment - Similar Triangles**

**Task** - Determine the height of an object (your choice) using similar triangles.

**Materials** - meter stick  
- calculator  
- mirror

In your group, come up with a plan for completing the task. Use your knowledge from yesterday's lesson to find the height of your object. You will use shadows to determine the height the first time and the mirror to verify the height.

**Our Plan** - List step by step, what you will do (where you'll stand, what you'll measure) in order to solve the problem.

**Shadows**

**Mirror**

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**Our Solution** - Include a diagram with all measurements labeled. Use proper mathematical form and show all calculations.

**Shadows**

/5

**Mirror**

/5