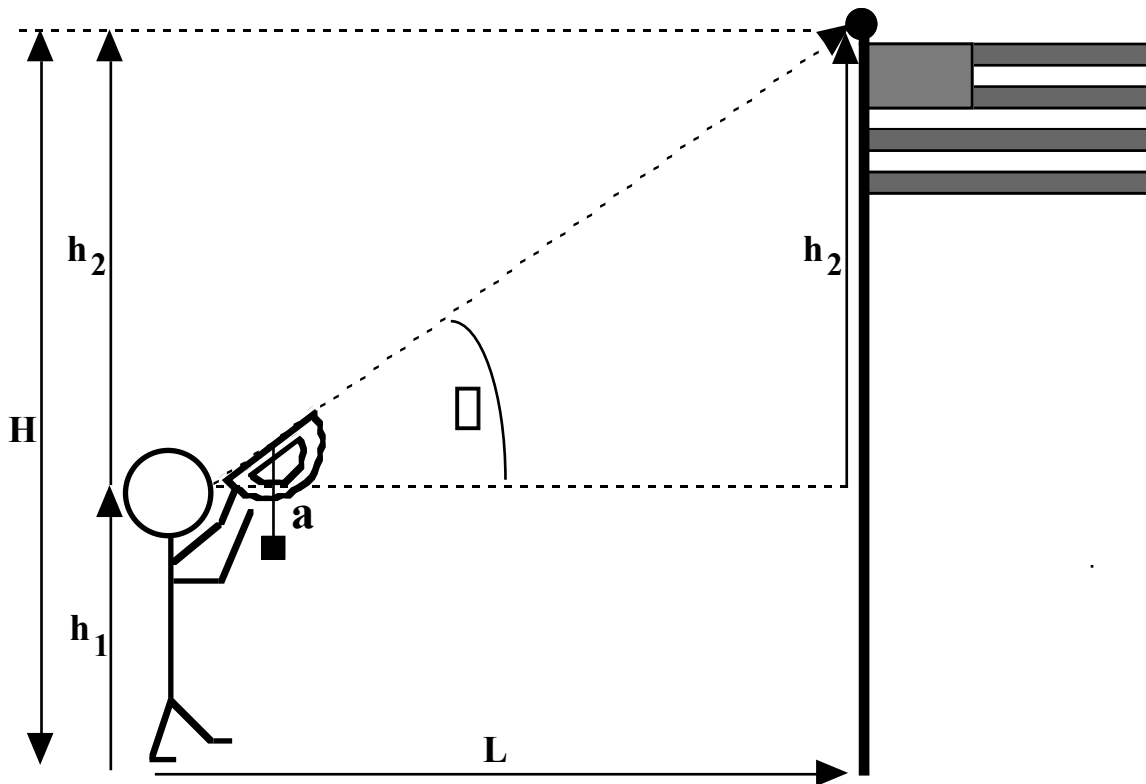


Using Triangulation



1. Height of my eye from the ground: $h_1 = \underline{\hspace{2cm}}$ m
2. Pace off your distance to the flagpole: $L = \underline{\hspace{2cm}}$ m
3. Measure the angle on the protractor: $a = \underline{\hspace{2cm}}$ degrees
4. The angle from horizontal = $90^\circ - a$: $A = \underline{\hspace{2cm}}$ degrees
5. Tangent of angle A: $\tan A = \underline{\hspace{2cm}}$
6. Distance from eye to top of flagpole = $L * \tan A$: $h_2 = \underline{\hspace{2cm}}$ m
7. Total height of flagpole = $h_1 + h_2$: $H = \underline{\hspace{2cm}}$ m