- THExp 2

- Autumn Equinox is Sun, March 20 Spring Break!
- At 1PM, need to go outside and do the measurement

- h is height of object, L is length of shadow.
What to do

What do L and h tell you about your Latitude?

Latitude angle \( A = \tan^{-1}(L/h) \). Use Degrees!
So, how big is the Earth?

- A proportionality will help:

\[
\frac{A}{360^\circ} = \frac{2350 \text{ miles}}{C} \quad C = 2\pi R
\]

- Find C, then find R, and report results: THExp #2.