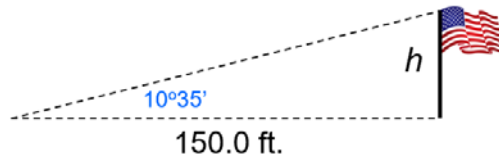


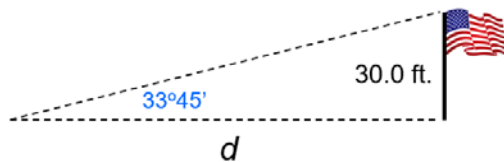
### Class Problem #1

If the ground is level, a 150.0 ft. length is measured out from the base of the steeple and a  $10^{\circ}35'$  vertical angle is determined from that point on the ground to the top of the flagpole.



### Class Problem #2

Determine the distance from your position to the base of a flag pole. If the ground is level, that the flag pole is 30.0 ft. tall, and that the vertical angle is  $33^{\circ}45'$  from your position.



### Class Problem #3

Determine the minimum length of a cable required to support the flag pole. If the ground is level, that the flag pole is 40.0 ft. tall, and that the supporting cable make a vertical angle of  $30^{\circ}$  from your ground.

