

3 Act Math: Water Tower

How tall is the light pole?

Too Low	Official Guess	Too High

Notice

Wonder

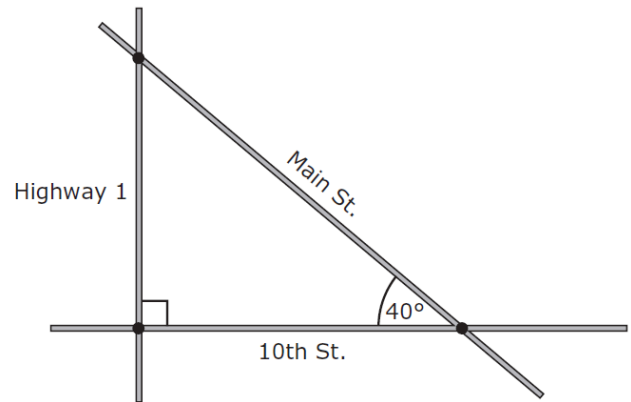
Draw a sketch.

What information do you think we need to know? Write down a few things.

Show your work below.

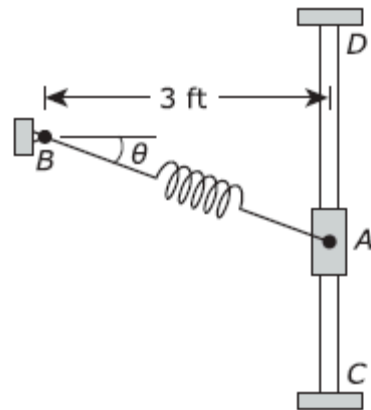
Application Problems

The distance between 10th Street and Main Street along Highway 1 is 5.6 miles. What is the length (rounded to the nearest tenth) of Main Street from Highway 1 to 10th street?



Part A

When $\Theta = 28^\circ$, what is the distance from point A to point B to the nearest tenth of a foot?



Part B

When the spring is stretched and the distance from point A to point B is 5.2 feet, what is the value of Θ to the nearest tenth of a degree?