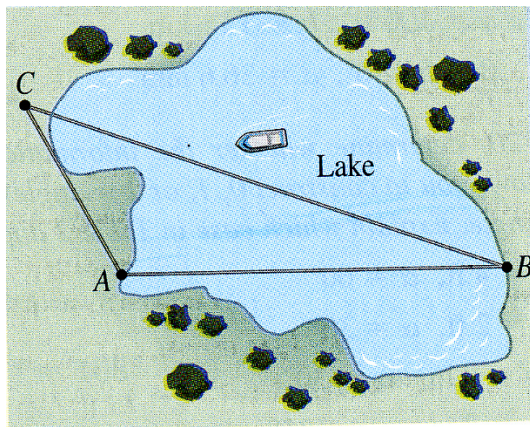


Additional Problems Assignment 11

1. An underwater telephone cable is to cross a shallow lake from point A to point B . Stakes are located at A , B and C . Distance AC is measured to be 112m $\angle CAB$ to be 118.4° , and $\angle ABC$ to be 19.2° . Find the distance AB .



2. To estimate the length CB of the lake in the figure that follows, a surveyor measures AB and AC to 89m and 75m, respectively, and $\angle CAB$ to be 95° . Find the approximate length of the lake.

