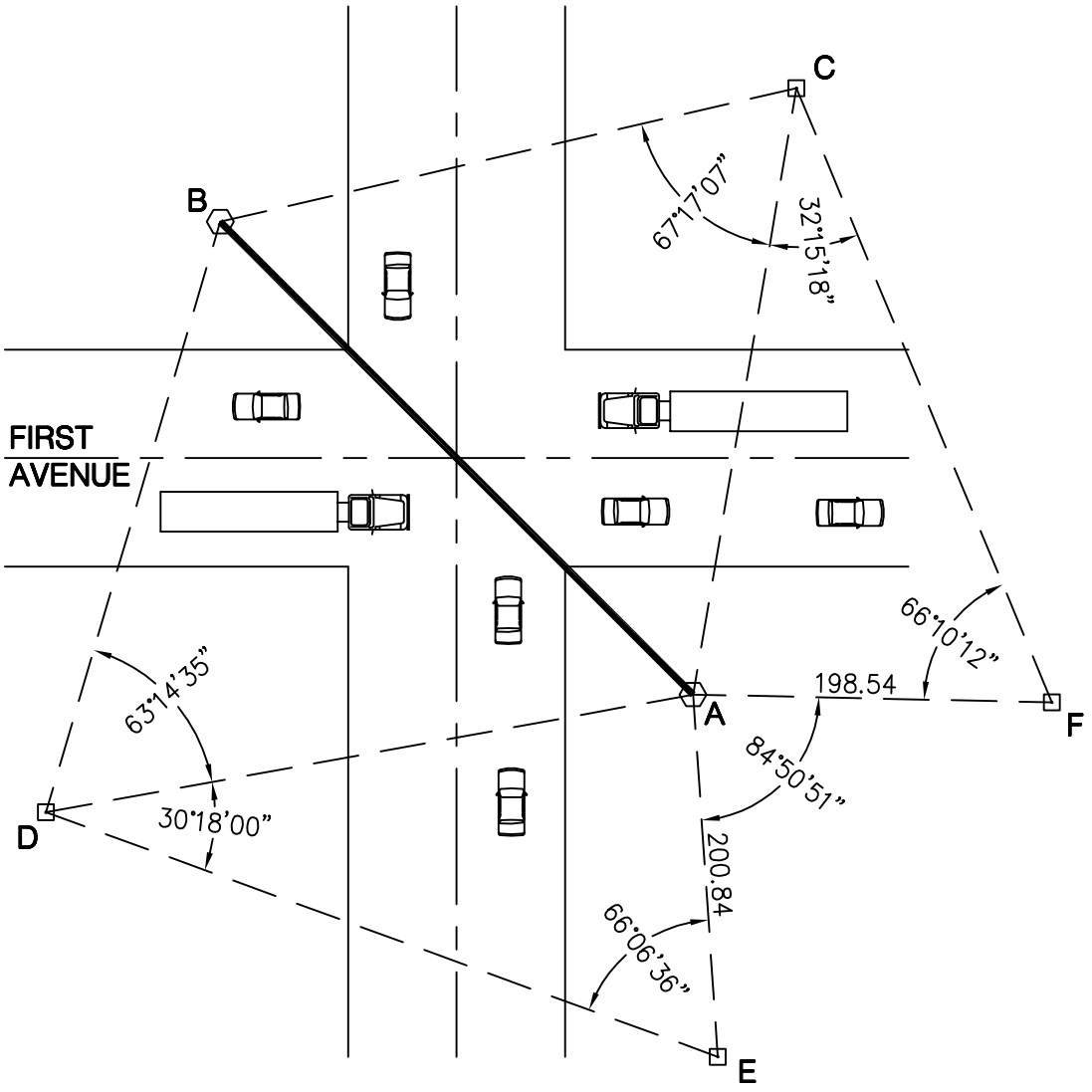
TRIG-STAR PROBLEM LOCAL CONTEST

A LOCAL TRAFFIC ENGINEERING DEPARTMENT HAS DETERMINED THE NEED FOR AN OVERHEAD SIGNAL LIGHT SYSTEM AT A VERY BUSY INTERSECTION. THE SUPPORT POLES NEED TO BE PLACED AT POINTS A AND B. DUE TO HEAVY TRAFFIC VOLUME, THE FIELD MEASUREMENTS BY THE SURVEY CREW WERE LIMITED TO THE FOLLOWING SKETCH:



FIND: DISTANCE AC = _____ (6 POINTS)

DISTANCE AD = _____ (6 POINTS)

DISTANCE DC = _____ (6 POINTS)

DISTANCE BC = _____ (6 POINTS)

DISTANCE AB = _____ (6 POINTS)

REQUIRED ANSWER FORMAT
DISTANCES: NEAREST HUNDREDTH

PAGE TOTAL: _____ POINTS

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