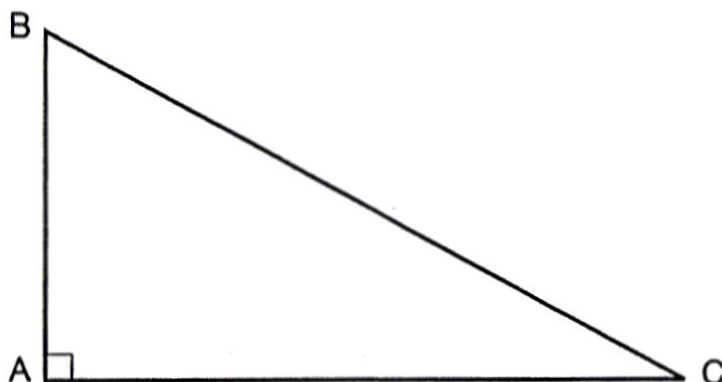


TRIG-STAR PROBLEM LOCAL CONTEST

PRINT NAME: _____



KNOWN: DISTANCE AB = 185.85 DISTANCE BC = 375.75

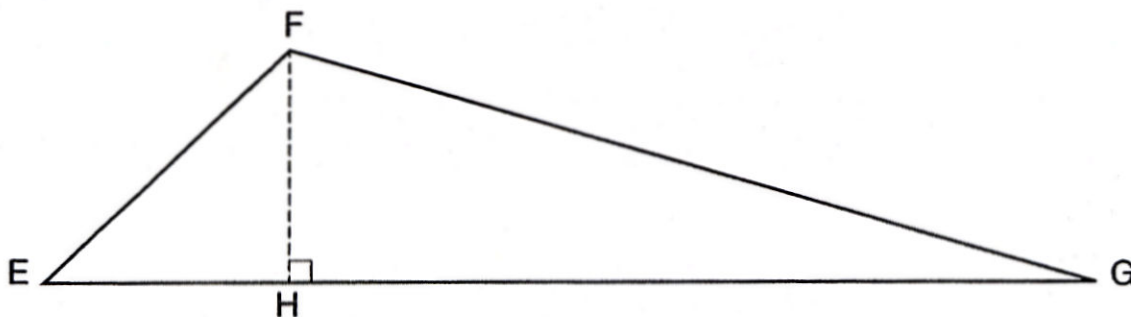
FIND: \angle CBA = _____ (5 POINTS)

DISTANCE AC = _____ (5 POINTS)

REQUIRED ANSWER FORMAT

DISTANCES: NEAREST HUNDREDTH
ANGLES: DEGREES-MINUTES-SECONDS
TO THE NEAREST SECOND

TRIG-STAR PROBLEM LOCAL CONTEST



KNOWN: DISTANCE EF = 180.08 \angle EFG = 122°17'07" \angle FEG = 41°51'52"

FIND: DISTANCE EH = _____ (6 POINTS)

DISTANCE FH = _____ (6 POINTS)

DISTANCE FG = _____ (6 POINTS)

DISTANCE GH = _____ (6 POINTS)

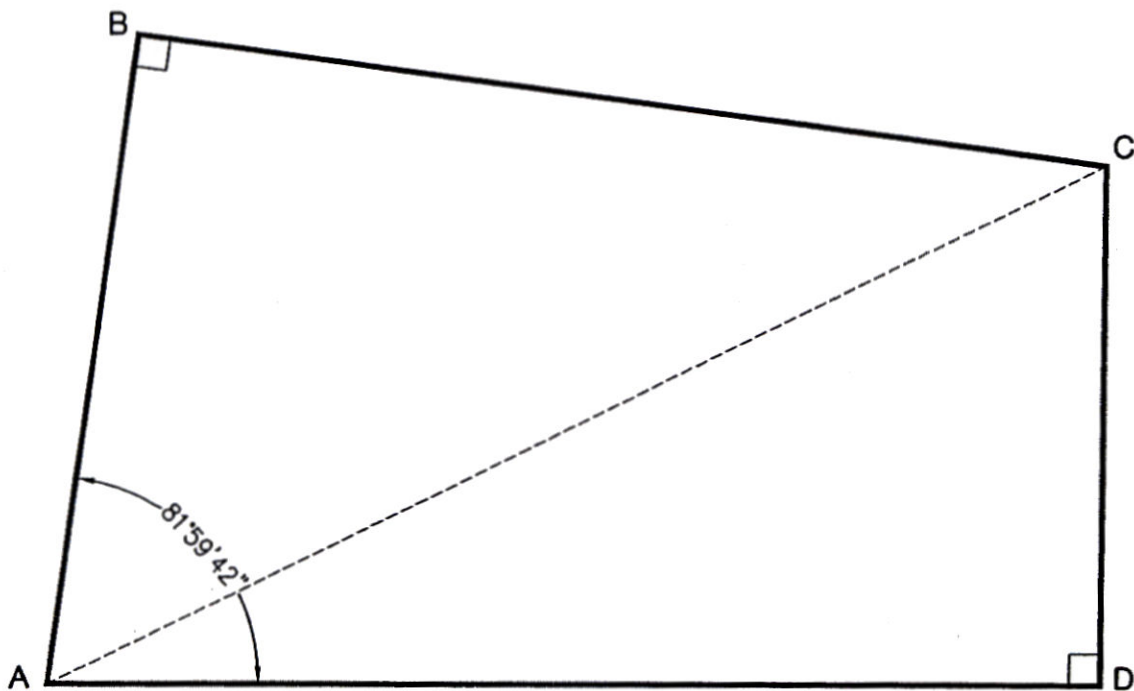
\angle EGF = _____ (6 POINTS)

REQUIRED ANSWER FORMAT

DISTANCES: NEAREST HUNDREDTH
ANGLES: DEGREES-MINUTES-SECONDS
TO THE NEAREST SECOND

PAGE TOTAL: _____ POINTS

TRIG-STAR PROBLEM LOCAL CONTEST



KNOWN: DISTANCE BC = 251.53 DISTANCE CD = 138.98
 $\angle BAD = 81^{\circ}59'42''$

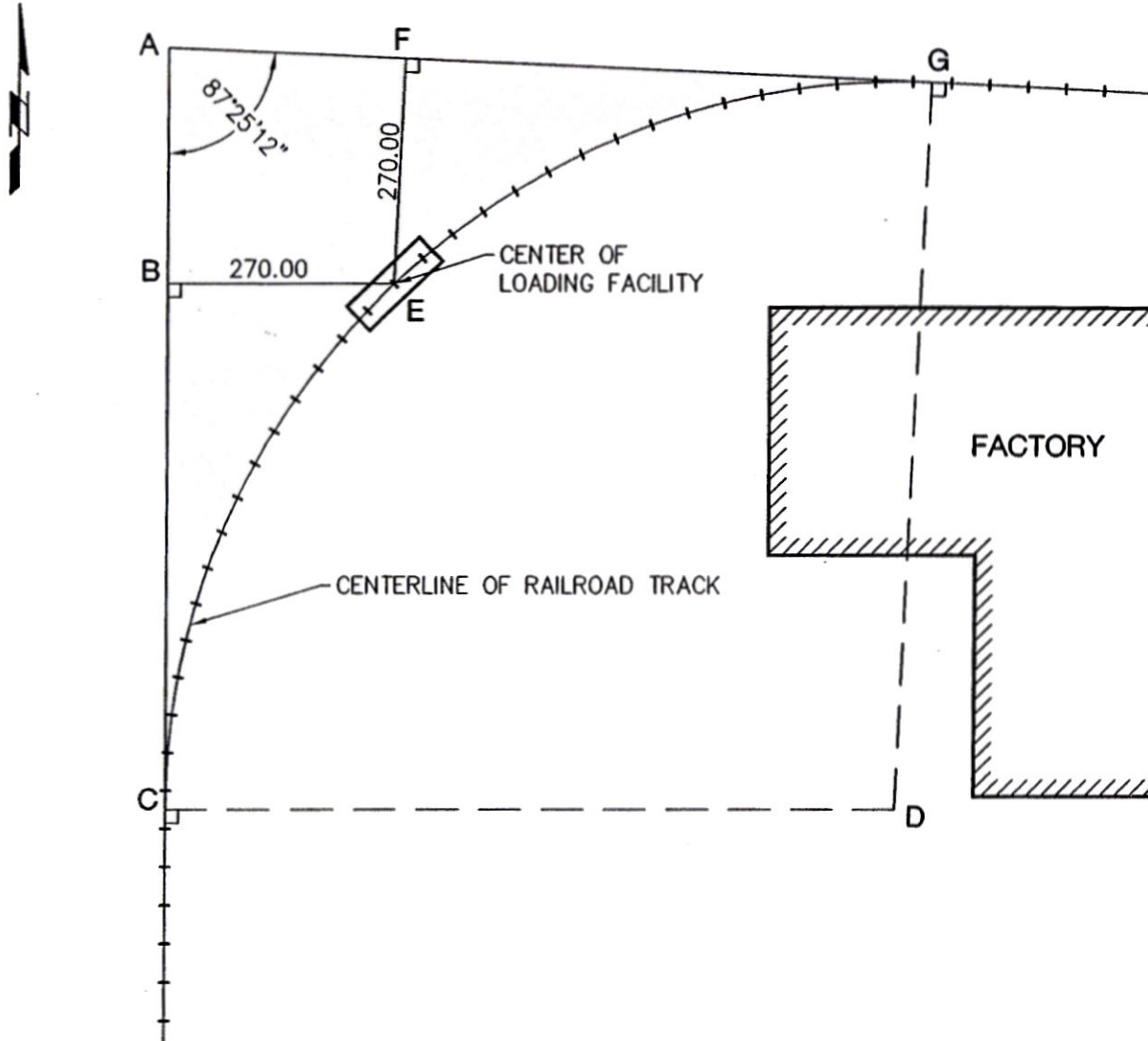
REQUIRED ANSWER FORMAT
DISTANCES: NEAREST HUNDREDTH

FIND: DISTANCE AB = _____ (10 POINTS)
DISTANCE AD = _____ (10 POINTS)
DISTANCE AC = _____ (10 POINTS)

PAGE TOTAL: _____ POINTS

TRIG-STAR PROBLEM LOCAL CONTEST

A RAILROAD COMPANY WOULD LIKE TO BUILD A NEW TRACK TO SERVICE A FACTORY. THE POSITION OF A LOADING FACILITY HAS BEEN DETERMINED AND WILL BE AT POINT "E". A SURVEYOR NEEDS TO LAYOUT A CURVE THAT WILL PASS THROUGH POINTS "C", "E" AND "G".



REQUIRED ANSWER FORMAT
DISTANCES: NEAREST HUNDREDTH

- FIND: DISTANCE $AB =$ _____ (7 POINTS)
 DISTANCE $BC =$ _____ (7 POINTS)
 DISTANCE $CD =$ _____ (7 POINTS)
 ARC DISTANCE $CE =$ _____ (9 POINTS)

PAGE TOTAL: _____ POINTS