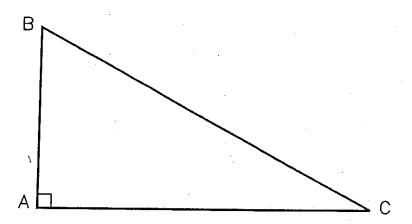
TRIG-STAR PROBLEM LOCAL CONTEST

PRINT NAME:



KNOWN: DISTANCE AC = 592.25 DISTANCE BC = 783.15

FIND:

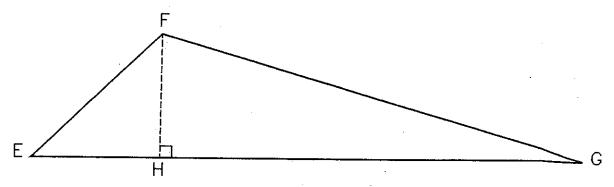
∠ ACB = _____ (5 POINTS)

DISTANCE AB = _____ (5 POINTS)

REQUIRED ANSWER FORMAT

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

TRIG-STAR PROBLEM LOCAL CONTEST



KNOWN:

FIND:

∠ EGF = ______ (6 POINTS)

DISTANCE EH = ______ (6 POINTS)

DISTANCE FH = ______ (6 POINTS)

DISTANCE FG = ______ (6 POINTS)

DISTANCE GH = _____ (6 POINTS)

REQUIRED ANSWER FORMAT

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

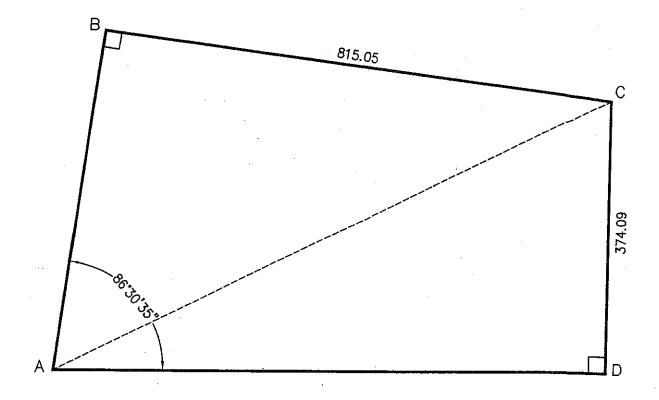
PAGE TOTAL: _____ POINTS

2015/2016

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SHEET 1 OF 3

TRIG-STAR PROBLEM LOCAL CONTEST



KNOWN: DISTANCE BC =
$$815.05$$
 DISTANCE CD = 374.09 \angle BAD = $86^{\circ}30^{\circ}35^{\circ}$

DISTANCE AD = ______(10 POINTS)

DISTANCE AC = ______(10 POINTS)

REQUIRED ANSWER FORMAT
DISTANCES: NEAREST HUNDREDTH

PAGE TOTAL: _____ POINTS

IKIGOTHK PKT # 9 TRIG-STAR PROBLEM 3 LOCAL CONTEST REQUIRED ANSWER FORMAT DISTANCES: NEAREST HUNDREDTH ANGLES: DEGREES-MINUTES-SECONDS TO THE NEAREST SECOND C others BONUS! EXISTING POWER LINE 6013'36" 47.40'32" DRAWING NOT TO SCALE. A GROUP OF INVESTORS HAS PLANS TO BUILD A RESORT ON AN ISLAND IN THE WET RIVER. THE ELECTRIC COMPANY WILL SUPPLY POWER TO A TRANSFORMER STATION (Point "B") AT THE RESORT BY CONSTRUCTING A GENERATING PLANT (Point "A") AT THE DAM DOWNSTREAM OF THE RESORT. THE TRANSFORMER STATION WILL NEED TO BE CONNECTED TO AN EXISTING POWER LINE WHICH

CROSSES THE RIVER JUST NORTH OF THE ISLAND. USING THE INFORMATION IN THE DIAGRAM THAT WAS OBTAINED BY A SURVEY CREW; FIND THE FOLLOWING DIMENSIONS:

FIND:	DISTANCE	AB =	 (10 POINTS) ¥	•		
	DISTANCE	BC =	 (10 POINTS) #			
	DISTANCE	BD =	(10 POINTS) *			
				PAGE	TOTAL:	POINTS

TRIG-STAR ANSWER KEY LOCAL CONTEST

PAGE 1 ∡ ACB = 40'51'58" DISTANCE AB = [512.41 PAGE 1 ∡ EGF = | 20'58'25" DISTANCE EH = 265.78 DISTANCE FH = 217.00 DISTANCE FG = | 606.26 DISTANCE GH = [566.09 PAGE 2 DISTANCE AB = 424.50 DISTANCE AD = 839.38 DISTANCE AC = | 918.97 PAGE 3 DISTANCE AB = | 410.76 DISTANCE BC = 448.41 DISTANCE BD = 401.98 2001.2002 2001/2002 COPYRIGHT - NSPS