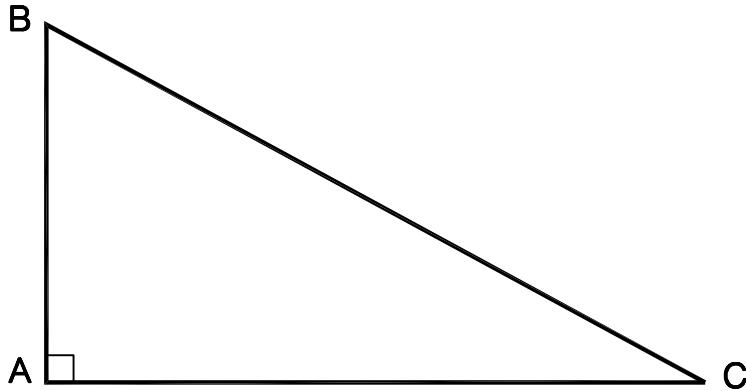


# TRIG-STAR PROBLEM LOCAL CONTEST

PRINT NAME: \_\_\_\_\_



KNOWN: DISTANCE AB = 260.19      DISTANCE BC = 490.49

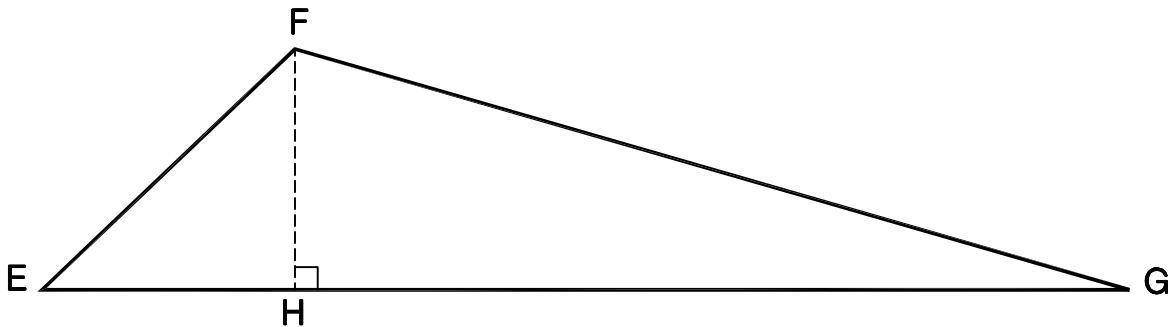
FIND:  $\angle$  CBA = \_\_\_\_\_ (5 POINTS)

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 = 319.89     $\angle$  EFG =  $121^{\circ}19'12''$      $\angle$  FEG =  $41^{\circ}45'36''$

FIND:  $\angle$  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