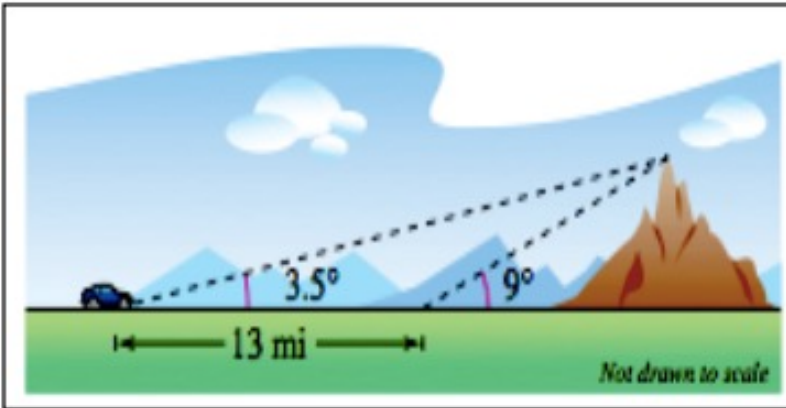
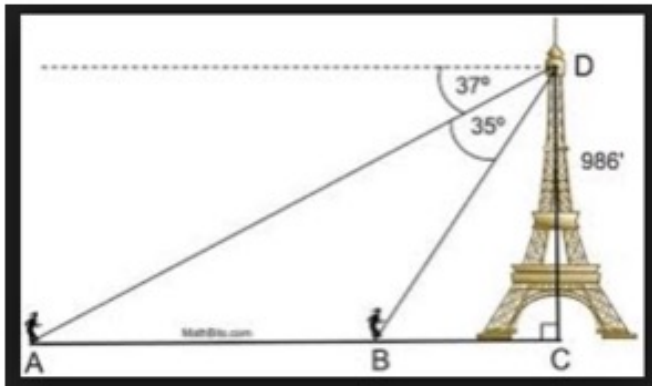


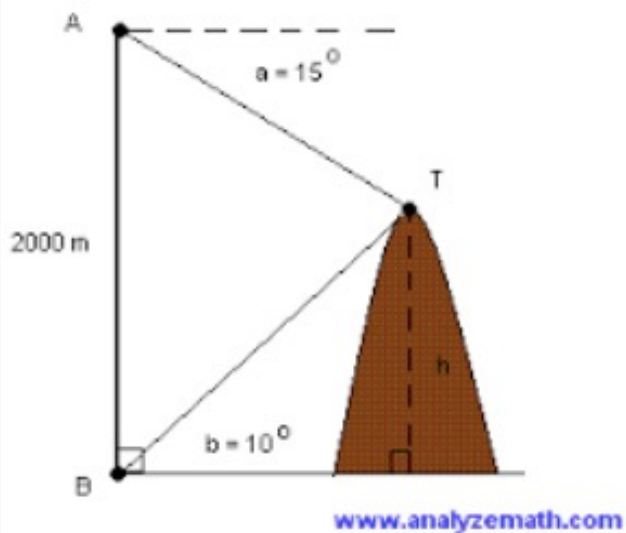
Right triangle practice problems



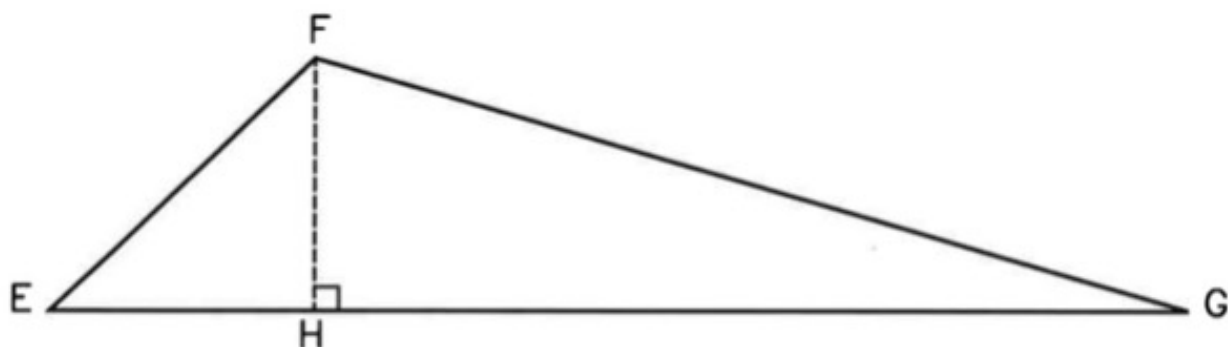
Using what you know about right trigonometry, find a reasonable estimation of the height of the mountain.



Using what you know about right trigonometry, find a reasonable estimation for how far apart the people are (A to B).



Using what you know about right trigonometry, find a reasonable estimation for the height of this mysterious brown pile.



KNOWN: DISTANCE $EF = 388.05$ $\angle EFG = 114^{\circ}11'45''$ $\angle FEG = 42^{\circ}47'40''$

FIND: $\angle EGF =$ _____
 DISTANCE $EH =$ _____
 DISTANCE $FH =$ _____
 DISTANCE $FG =$ _____
 DISTANCE $GH =$ _____

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