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A MATH PROBLEM ABOUT PARTHENONAS



During the 5th century B.C they were building in Athens a temple which was dedicated to Athena. The name of that was Parthenonas and it was supposed to be a place for unmarried women! Nowadays Parthenonas is the most visited archeological place in Greece. (Acropolis of Athens). As you can see at the picture below the dimensions of Parthenonas are 31m width, 70m length and 14m height. The roof consists of two isosceles triangles and two rectangles. The question is what is the total surface .Is given that $EG=31m$, $CD=70m$, $FH=3,5m$

