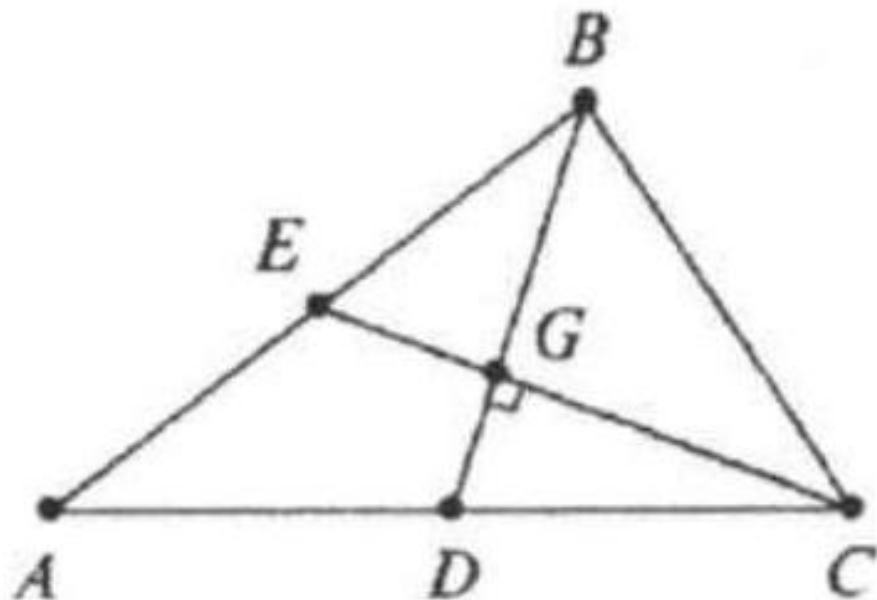# Example 5

(AMC) Medians BD and CE of a triangle ABC are perpendicular, $BD = 8$, and $CE = 12$. Find the area of triangle ABC.

Solution: 64. We draw the third median AF.

$$CD = CD = \tfrac{1}{2}CM = \tfrac{4}{2} = 2.$$