

Problem 13

Problem

(AMC) In the adjoining figure triangle ABC is such that $AB = 4$ and $AC = 8$. If M is the midpoint of BC and $AM = 3$, what is the length of BC ?

(A) $2\sqrt{26}$

(B) $2\sqrt{31}$

(C) 9

(D) $4 + 2\sqrt{13}$

(E) not enough information given to solve the problem

Solution

Solution not available.