Question 20975

B is the midpoint of line AC. AB = 5x and BC = 2x + 3. Find AB, BC, and AC. Solution. Since C is the midpoint, we get

AC = BC5x = 2x + 3

x = 1

Then

 $AB = BC = 5 \cdot 1 = 5$ 

AC = 10

**Answer.** AB = BC = 5, AC = 10

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