

Name: _____

Date: _____

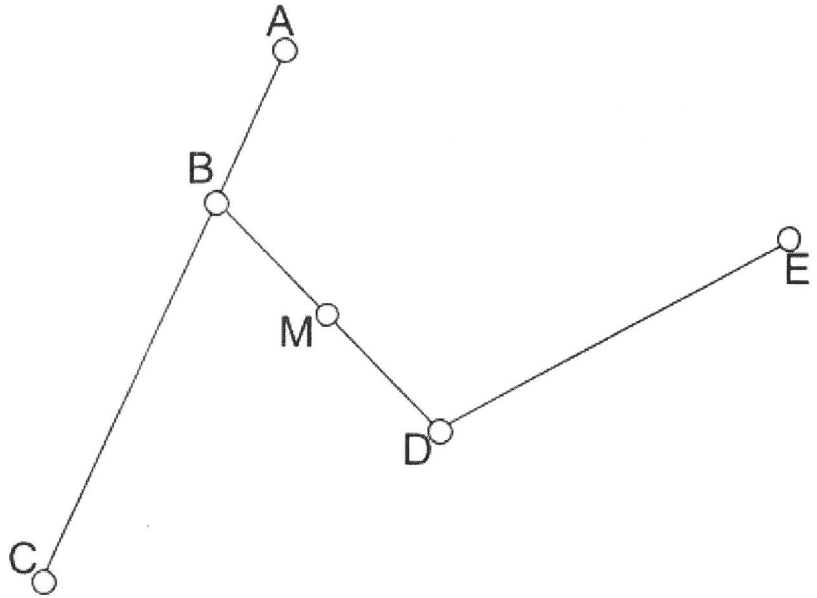
Teacher: A. Zito

Term 3 Situational Question

Given:

- Point B divides \overline{AC} in a ratio 2:3 from A to C
- Point M is the midpoint of \overline{BD}
- $A(15, 35)$
- $C(-10, 5)$
- $M(13, 9)$
- $E(16, 12)$

(diagram is not drawn to scale)



Question:

What is the length of DE ? Round your final answer to the nearest hundredth .