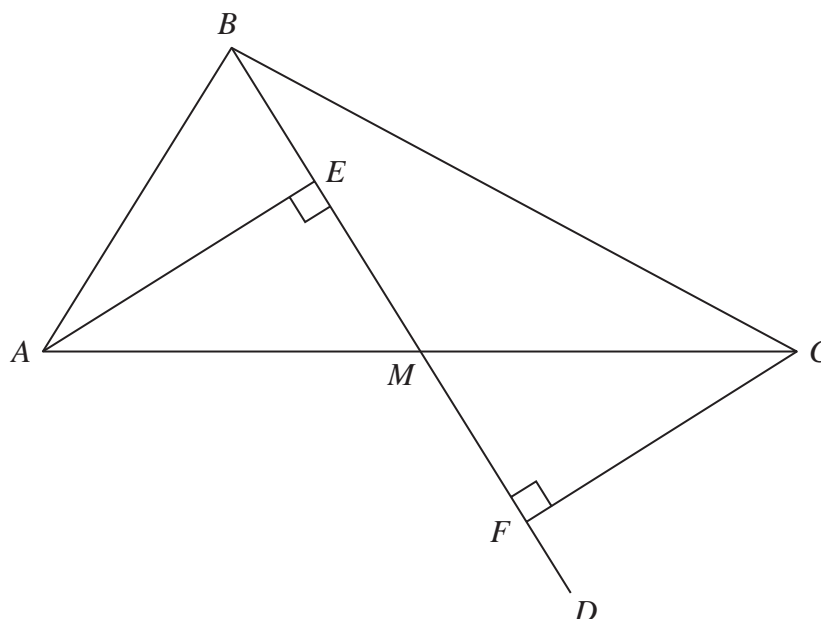


15

Diagram **NOT**  
accurately drawn

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

The diagram shows  $\triangle ABC$  and the straight line  $BMD$  such that  $M$  is the midpoint of  $AC$ .

The points  $E$  and  $F$  lie on  $BMD$  such that  $AE$  and  $CF$  are each perpendicular to  $BMD$ .

Prove that  $\triangle AEM$  is congruent to  $\triangle CFM$ .

(Total for Question 15 is 3 marks)

