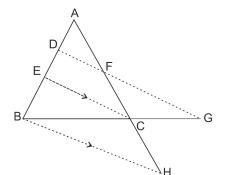


ii) The area of the deck of the ship is 1,60,000 m<sup>2</sup>. Find the area of the deck of the model.

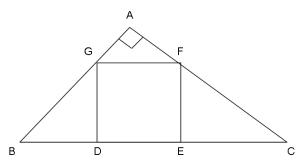
2



In the given figure, 2AD = BD, E is mid-point of BD and F is mid-point of AC and EC || BH. Prove that : i) DF || BH

ii) AH = 3 AF.

Q.5 Answer the following



In the figure, the vertices of square DEFG are on the sides of  $\triangle$  ABC.  $\angle$  A = 90°. Then prove that DE<sup>2</sup> =  $\mathsf{BD}{\times}\mathsf{EC}$ 

1

1

## Q.6 Answer the following

В С In the given figure. DE  $\parallel$  BC. i. If AD = x, DB = x - 2, AE = x + 2 and EC = x - 1, find the value x. ii. If DB = x - 3, AB = 2x, EC = x - 2 and AC = 2x + 3, find the value of x.

4

3