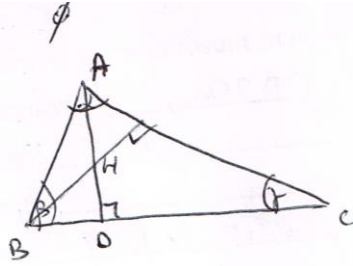


2.80  
6



$$\frac{HD}{x} = \frac{HD}{AH} = \frac{\cos \beta \cos \gamma}{\cos \alpha}$$

$$AH = x \quad (NO)$$

$$\Delta ABH: \quad \frac{x}{\sin(90-\alpha)} = \frac{BH}{\sin(90-\beta)}$$

$$BH = \frac{x \cos \beta}{\cos \alpha}$$

$$\Delta BHD: \quad \frac{HD}{BH} = \sin(90-\gamma)$$

$$\leftarrow HD = \frac{x \cos \beta \cos \gamma}{\cos \alpha}$$