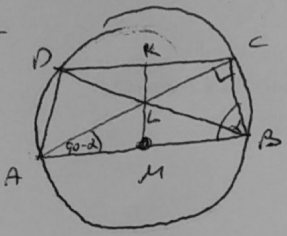


2.50
7



(S.S) $\triangle DKL \sim \triangle BML$

$$\frac{KL}{LM} = \frac{DK}{MB}$$

$$MB = R \quad \text{(NO)}$$

$$CB = 2R \cos \alpha$$

: $\triangle ABC$

: $\triangle DCB$

$$\frac{CB}{\sin(90-\alpha)} = \frac{DC}{\sin(2\alpha-90)}$$

$$DC = \frac{-CB \sin(90-2\alpha)}{\cos 2\alpha} = \frac{-2R \cos 2\alpha \cos 2\alpha}{\cos 2\alpha}$$

$$DK = \frac{1}{2} DC = -R \cos 2\alpha$$

$$\frac{KL}{LM} = \frac{DK}{MB} = \frac{-R \cos 2\alpha}{R} = -\cos 2\alpha$$