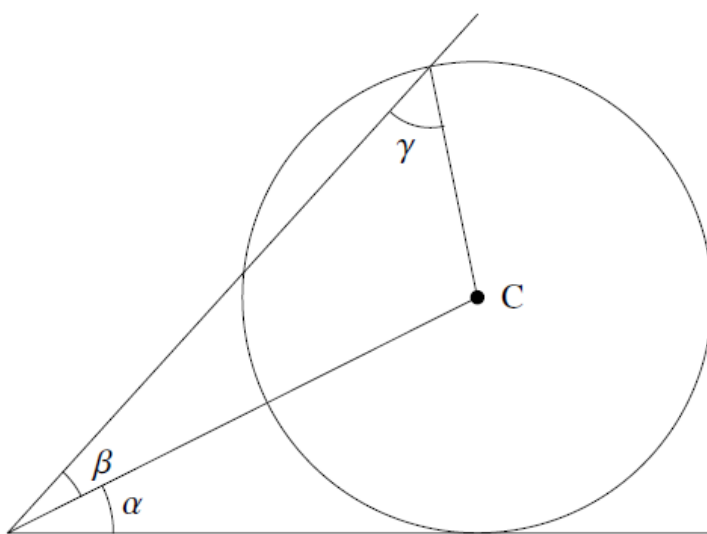


E. The circle in the diagram has centre C . Three angles α, β, γ are also indicated.



The angles α, β, γ are related by the equation:

- (a) $\cos \alpha = \sin (\beta + \gamma)$;
- (b) $\sin \beta = \sin \alpha \sin \gamma$;
- (c) $\sin \beta (1 - \cos \alpha) = \sin \gamma$;
- (d) $\sin (\alpha + \beta) = \cos \gamma \sin \alpha$.