



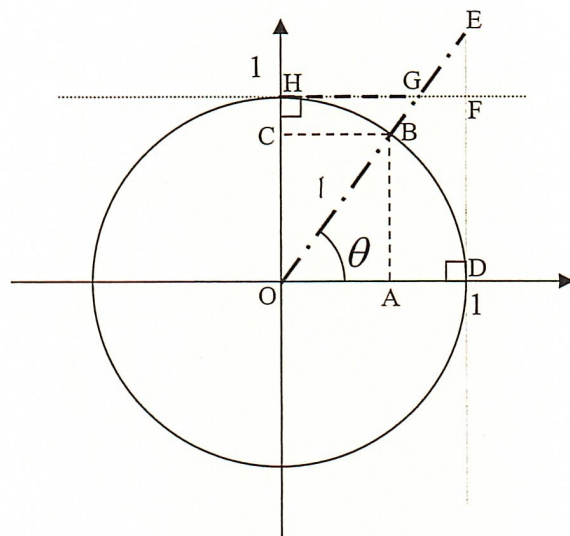
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Class: 3Z1

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MA304.5.X1 – Representation of Trigonometric Ratios

Consider a unit circle – that is a circle of radius 1 unit.



Thus it is clear that $OB = 1$ unit. Using the definition of trigonometric ratios, it is not difficult to see that $OA = \cos \theta$, while $AB = \sin \theta$.

S1. Which line segment in the diagram above would represent

- (a) $\tan \theta$, ED
- (b) $\operatorname{cosec} \theta$, OG
- (c) $\sec \theta$, and OE
- (d) $\cot \theta$? HG