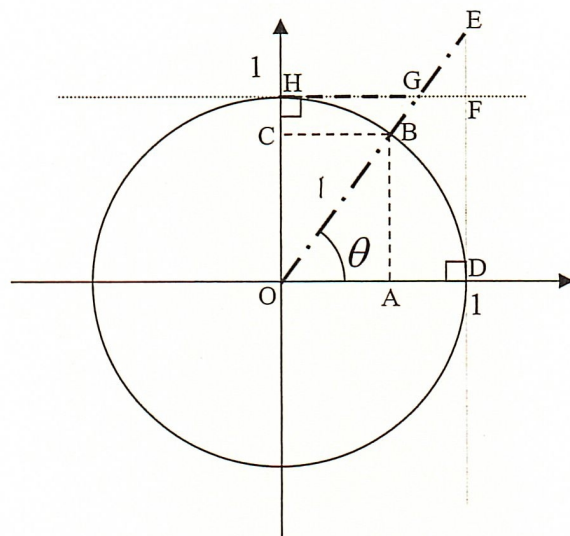




Name: _____ () Class: _____ Date: _____

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) $\tan \theta$,
- (b) $\operatorname{cosec} \theta$,
- (c) $\sec \theta$, and
- (d) $\cot \theta$?