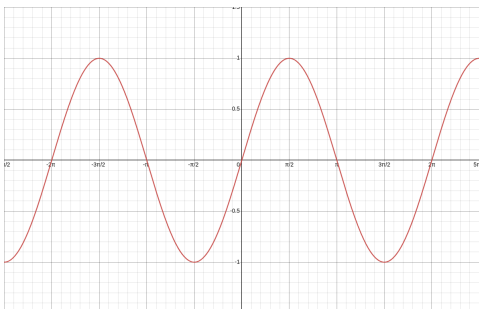


1 Quotient Identities

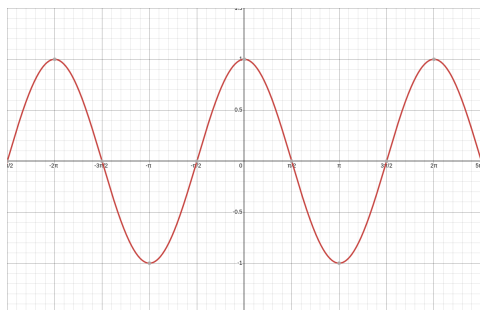
$$\sin \theta = \frac{O}{H}$$

$$\sin \theta = \cos \theta \tan \theta$$



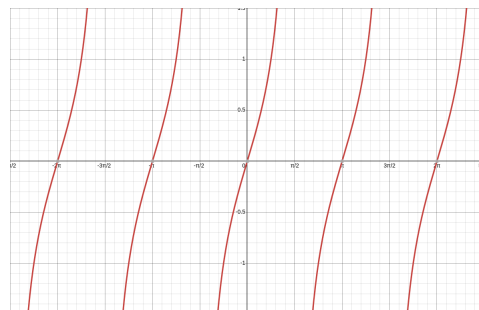
$$\cos \theta = \frac{A}{H}$$

$$\cos \theta = \frac{\sin \theta}{\tan \theta}$$



$$\tan \theta = \frac{O}{A}$$

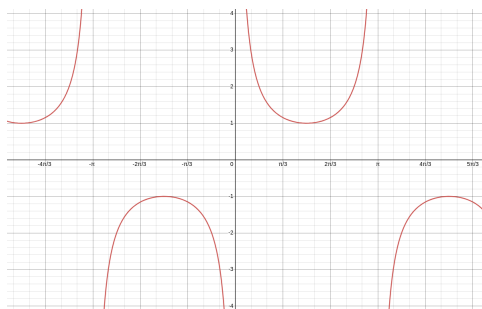
$$\tan \theta = \frac{\sin \theta}{\cos \theta}$$



2 Reciprocal Identities

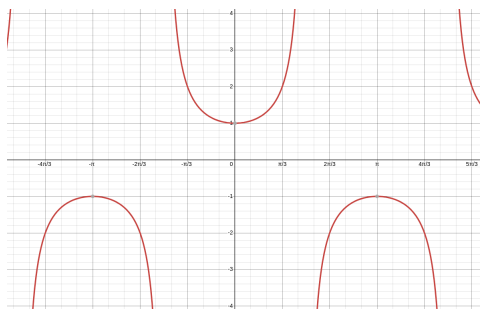
$$\csc \theta = \frac{1}{\sin \theta}$$

$$\csc \theta = \frac{H}{O}$$



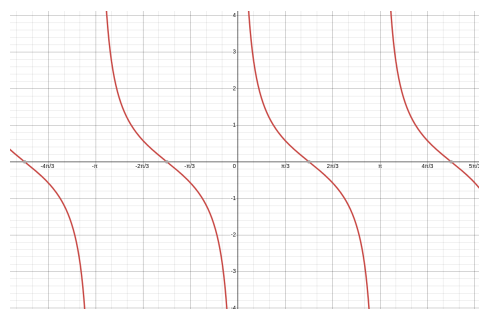
$$\sec \theta = \frac{1}{\cos \theta}$$

$$\sec \theta = \frac{H}{A}$$



$$\cot \theta = \frac{1}{\tan \theta} = \frac{\cos \theta}{\sin \theta}$$

$$\cot \theta = \frac{A}{O}$$



$$\arcsin \theta = \sin^{-1} \theta$$

$$\arccos \theta = \cos^{-1} \theta$$

$$\arctan \theta = \tan^{-1} \theta$$

