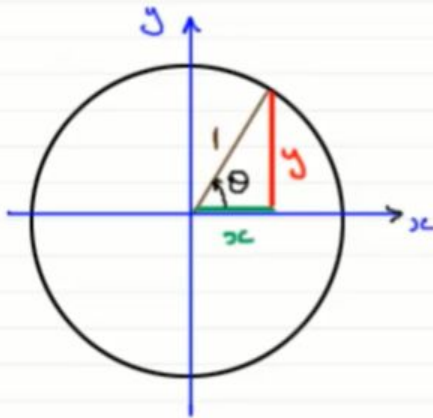




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Two Trigonometric Identities You Should Know



$$\sin \theta = \frac{y}{1} \Rightarrow y = \sin \theta$$

$$\cos \theta = \frac{x}{1} \Rightarrow x = \cos \theta$$

$$x^2 + y^2 = 1$$

$$(\cos \theta)^2 + (\sin \theta)^2 = 1$$

$$\therefore \boxed{\cos^2 \theta + \sin^2 \theta \equiv 1}$$

$$\tan \theta = \frac{y}{x} \Rightarrow$$

$$\boxed{\tan \theta \equiv \frac{\sin \theta}{\cos \theta}}$$

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