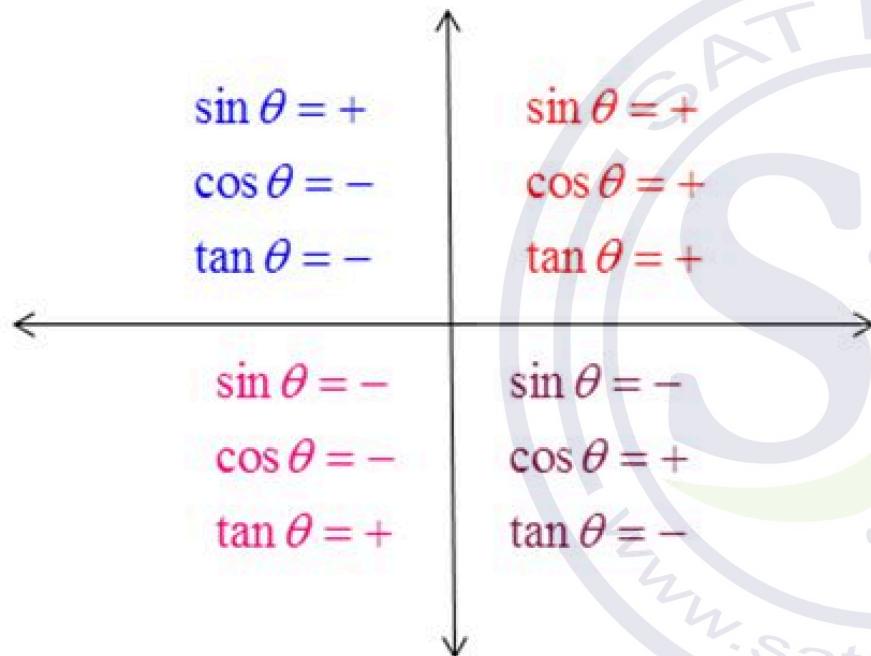


SATPREP

Trigonometric Plane



Trigonometry Ratio

$$\sin \theta = \frac{\text{opposite}}{\text{hypotenuse}}$$

$$\cos \theta = \frac{\text{adjacent}}{\text{hypotenuse}}$$

$$\tan \theta = \frac{\text{opposite}}{\text{adjacent}}$$

In the Coordinate Plane

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

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

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