**Trigonometry Special Angles**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **x** | **30°** | **45°** | **60°** | **0°** | **90°** |
| **sin x** | $$\frac{1}{2}$$ | $$\frac{\sqrt{2}}{2}$$ | $$\frac{\sqrt{3}}{2}$$ | 0 | 1 |
| **cos x** | $$\frac{\sqrt{3}}{2}$$ | $$\frac{\sqrt{2}}{2}$$ | $$\frac{1}{2}$$ | 1 | 0 |
| **tan x** | $$\frac{\sqrt{3}}{3}$$ | 1 | $$\sqrt{3}$$ | 0 | not defined |



**Reciprocal Trigonometric ratios**

Cosecant $cscθ=\frac{1}{sinθ} or \frac{hyp}{opp}$

Secant $secθ=\frac{1}{cosθ} or \frac{hyp}{adj}$

Cotangent $cotθ=\frac{1}{tanθ} or \frac{adj}{opp}$