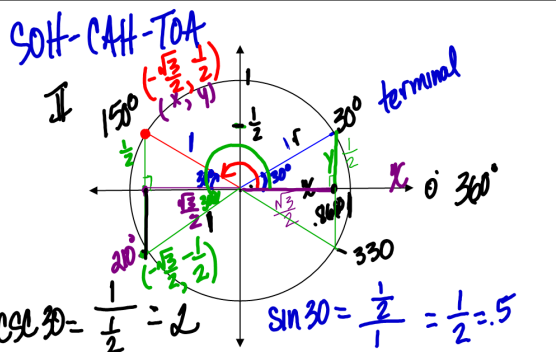


Positive Angles Counter clockwise
 Negative Angles Clockwise
 Coterminal angles



$\csc 30 = \frac{1}{\frac{1}{2}} = 2$
 $\sin 30 = \frac{\frac{1}{2}}{1} = \frac{1}{2} = .5$

$\sec 30 = \frac{1}{\frac{\sqrt{3}}{2}} = \frac{2\sqrt{3}}{3} = 1.1547$
 $\cos 30 = \frac{\frac{\sqrt{3}}{2}}{1} = \frac{\sqrt{3}}{2} = .8660$

$\tan 30 = \frac{\frac{1}{2}}{\frac{\sqrt{3}}{2}} = \frac{1}{\sqrt{3}} = .5773$

$\frac{1 \cdot 2}{\sqrt{3}}$
 $\frac{2 \cdot \sqrt{3}}{\sqrt{3} \cdot \sqrt{3}}$
 $\frac{2\sqrt{3}}{3}$

Rationalize

$$\frac{\frac{1}{2} \cdot \frac{2}{\sqrt{3}}}{\frac{1}{\sqrt{3}} \cdot \frac{\sqrt{3}}{\sqrt{3}}} = \frac{\sqrt{3}}{\sqrt{3}} = \frac{\sqrt{3}}{3}$$

$\cot 30 = \frac{\frac{\sqrt{3}}{2}}{\frac{1}{2}}$

$\frac{\sqrt{3} \cdot 2}{2 \cdot 1}$
 $\sqrt{3} = 1.7321$

$\csc 30$ $\sin 30$ enter $\frac{1}{2}$
 x^{-1} or $\frac{1}{x}$ 2

$\sec 30$ $\cos 30$.8660
 x^{-1} 1.1547

$\cot 30$ $\tan 30$
 x^{-1} 1.7321

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

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

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

