



Using unit circle

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

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

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

Sec
$$\theta = \frac{1}{x}$$

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

$$tan 70 = \frac{+1/2}{+\sqrt{3}/2} = \frac{1}{\sqrt{3}}$$
 $csc = \frac{2\pi}{3} = \frac{2}{\sqrt{3}} = \frac{2\sqrt{3}}{3}$

$$\cot \frac{3}{3} = \frac{-1}{0} = 0$$

$$tam^3 \sqrt{2} = \frac{-1}{0} = \emptyset$$
 DNE

$$\sec^{7\pi/4} = \frac{7}{\sqrt{2}} = \frac{2\sqrt{2}}{2} = \sqrt{2}$$

$$CSC^{-\frac{2T}{3}} = \frac{-\frac{2}{3}}{-\frac{2}{3}} = \frac{-\frac{2}{3}}{3}$$