廣義三角函數

(1) $\sin 120^\circ = +\sin 60^\circ = \frac{\sqrt{3}}{2}$

(2) $\cos 225^\circ = -\cos 45^\circ = -\frac{\sqrt{2}}{2}$

(3) $\sin 180^\circ = 0$

(4) $\cos 270^\circ = 0$

(5) $\tan\frac{\pi}{3} = \frac{\sin\frac{\pi}{3}}{\cos\frac{\pi}{3}} = \frac{\frac{\sqrt{3}}{2}}{\frac{1}{2}} = \sqrt{3}$

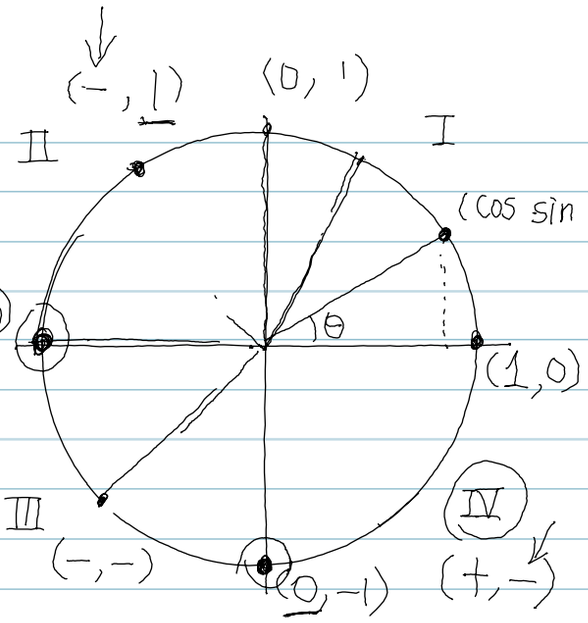
(6) $\sin\frac{4}{3}\pi = -\sin\frac{\pi}{3} = -\frac{\sqrt{3}}{2}$

(7) $\cos\frac{5}{6}\pi = -\cos\frac{\pi}{6} = -\frac{\sqrt{3}}{2}$

(8) $\sin 750^\circ = \sin 30^\circ = \frac{1}{2}$

(9) $\sec\frac{5}{4}\pi = \frac{1}{\cos\frac{5}{4}\pi} = \frac{1}{-\cos\frac{\pi}{4}} = -\frac{2}{\sqrt{2}} = -\sqrt{2}$

(10) $\csc\frac{11}{6}\pi = \frac{1}{\sin\frac{11}{6}\pi} = \frac{1}{-\sin\frac{\pi}{6}} = \frac{1}{-\frac{1}{2}} = 2$



$\sin 30^\circ = \frac{1}{2} = \cos 60^\circ$

$\sin 45^\circ = \frac{\sqrt{2}}{2} = \cos 45^\circ$

$\sin 60^\circ = \frac{\sqrt{3}}{2} = \cos 30^\circ$

$360 \overline{)\,750}\ 2$, 720, 30