1. $\arccos\left(-\frac{1}{2}\right)$

⊗	○
X	

$\theta = \arccos\left(-\frac{1}{2}\right)$ (QII)

$\cos\theta = \cos\left[\arccos\left(-\frac{1}{2}\right)\right]$

$\cos\theta = -\frac{1}{2}$

"x"

$\theta = \frac{2\pi}{3}$

2. $\arcsin\left(-\frac{1}{2}\right)$

○
X ⊗

$\theta = \arcsin\left(-\frac{1}{2}\right)$ (QIV)

$\sin\theta = \sin\left[\arcsin\left(-\frac{1}{2}\right)\right]$

$\sin\theta = -\frac{1}{2}$

"y"

$\theta = \frac{11\pi}{6}$

$= \frac{11\pi}{6} - 2\pi$

$= -\frac{\pi}{6}$

3. $\text{ARCTAN}\left(-\frac{\sqrt{3}}{3}\right)$

X ○
⊗

$\theta = \text{ARCTAN}\left(-\frac{\sqrt{3}}{3}\right)$ (QIV)

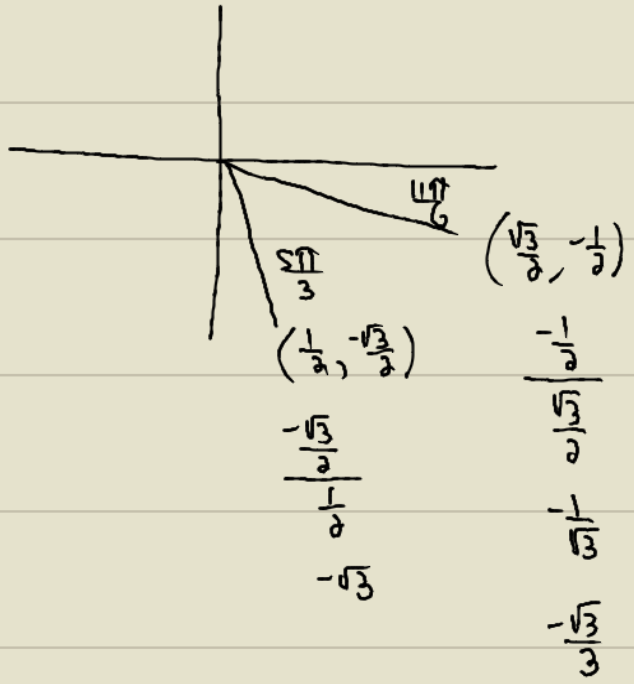
$\tan\theta = \tan\left[\text{ARCTAN}\left(-\frac{\sqrt{3}}{3}\right)\right]$

$\tan\theta = -\frac{\sqrt{3}}{3}$

$\theta = \frac{11\pi}{6}$

$\theta = \frac{11\pi}{6} - 2\pi$

$= -\frac{\pi}{6}$



4. $\text{ARCCOT}\left(\sqrt{3}\right)$

○ ⊗
X

$\theta = \text{ARCCOT}\left(\sqrt{3}\right)$ (QI)

$\cot\theta = \cot\left[\text{ARCCOT}\left(\sqrt{3}\right)\right]$

$\cot\theta = \sqrt{3}$

"$\frac{x}{y}$"

$\theta = \frac{\pi}{6}$