

1.6 More Unit Circle Practice

Think coterminal to help w/ ~~angles~~ ^{angles not} on Unit Circle!

Using the unit circle, find each EXACT value. Do not use a calculator.

1. $\sin \frac{-3\pi}{2}$

~~$\frac{-\sqrt{3}}{2}$~~
1

2. $\csc \frac{-\pi}{3}$

~~$\frac{-2\sqrt{3}}{3}$~~
 $-\frac{2\sqrt{3}}{3}$

3. $\tan 1440^\circ$

0

4. $\cot \frac{7\pi}{3}$

$\frac{\sqrt{3}}{3}$

5. $\cos 7\pi$

-1

6. $\sec \frac{35\pi}{6}$

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

7. $\cos -120^\circ$

$-\frac{1}{2}$

8. $\tan \frac{7\pi}{6}$

$\frac{\sqrt{3}}{3}$

9. $\csc -495^\circ$

$-\sqrt{2}$

10. $\sin \frac{5\pi}{4}$

$-\frac{\sqrt{2}}{2}$

11. $\cot 540^\circ$

undef.

12. $\cos \frac{-13\pi}{3}$

$\frac{1}{2}$