Lesson: VALUES OF TRIGONOMETRIC FUNCTIONS

Name _____

Directions: Use the clues to solve each puzzle. To find the correct number, cross out the answer to each clue in the square that is accounted for. Your answer will be the number that is left. Use the QR Code to the right to check your answers.

SCAN ME

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

It's not: $\cos\left(\frac{2\pi}{3}\right)$ or $\sin\left(\frac{3\pi}{4}\right)$
It's not: $\tan\left(\frac{4\pi}{3}\right)$ or $\sin\left(\frac{7\pi}{4}\right)$
It's not: $\cos\left(\frac{5\pi}{6}\right)$ or $\tan\left(\frac{11\pi}{6}\right)$
It's not: $\tan\left(\frac{5\pi}{3}\right)$ or $\cos\left(\frac{11\pi}{6}\right)$

What is the number? _____

0	Und.	-2
1	$\frac{2\sqrt{3}}{3}$	$\sqrt{2}$
-1	2	$-\sqrt{2}$

It's not: $\csc(\pi)$ or $\cot\left(\frac{7\pi}{4}\right)$
It's not: $\sec\left(\frac{5\pi}{3}\right)$ or $\csc\left(\frac{5\pi}{4}\right)$
It's not: $\csc\left(\frac{\pi}{2}\right)$ or $\cot\left(\frac{3\pi}{2}\right)$
It's not: $\sec\left(\frac{11\pi}{6}\right)$ or $\csc\left(\frac{7\pi}{6}\right)$

What is the number? _____

$\frac{4\pi}{3}$	$\frac{7\pi}{4}$	$\frac{5\pi}{3}$
$\frac{5\pi}{4}$	$\frac{7\pi}{6}$	$\frac{11\pi}{6}$
π	$\frac{3\pi}{2}$	$\frac{3\pi}{4}$

It's coordinates on the unit circle

Are not $\left(\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$ or $\left(-\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$

Are not $\left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$ or $\left(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$

Are not $(-1,0)$ or $(0,-1)$

Are not $\left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$ or $\left(\frac{\sqrt{2}}{2}, -\frac{\sqrt{2}}{2}\right)$

What is the number? _____

$\frac{\pi}{2}$	$\frac{7\pi}{4}$	$\frac{5\pi}{3}$
$\frac{2\pi}{3}$	$\frac{7\pi}{6}$	$\frac{\pi}{6}$
π	$\frac{3\pi}{2}$	$\frac{3\pi}{4}$

The tangent of the angle

Is not undefined
Is not -1
Is not $\frac{\sqrt{3}}{3}$
Is not $-\sqrt{3}$

(NOTE: EACH CLUE WILL REMOVE 2 CHOICES)

What is the number? _____