

Warm-up:

Solve over $[0, 2\pi)$.

$$\cos x \cot x + \cot x = 0$$

Select the correct answer:

A) $\frac{\pi}{2}, \frac{3\pi}{2}, \pi$

B) $\frac{\pi}{2}, \frac{3\pi}{2}$

C) π

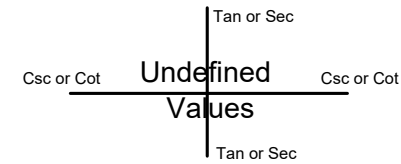
D) none of the above

Extraneous Solution?

1. Does your solution land on the x- or y-axis?

$$0\pi, \frac{\pi}{2}, \pi, \frac{3\pi}{2}$$

2. Does your original equation have Tangent, Cosecant, Secant, Cotangent?



Extra Example:

$$(\cos^2 x - 1)(\cot x + 1) = 0$$