How do we know if a

trig equation has an

EXTRANEOUS SOLUTION ?!?!

Warm-up:

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

$$cosxcotx + cotx = 0$$

$$\frac{\cos x}{\cos x} = 0$$

$$\frac{\cos x}{\sin x} = 0$$

$$\cos x = 0$$

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

$$\cot \pi = -1$$

$$\text{undefined!}$$

Select the correct answer:

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

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

$$C)$$
 π



