

Math 1060 4.4-5

in $[0, 2\pi)$, SOLVE

$$9 \sin^2 x = \sin x$$

$$9 \sin^2 x - \sin x = 0$$

$$\sin x (9 \sin x - 1) = 0$$

$$\downarrow$$

$$\sin x = 0$$

@ $0, \pi$

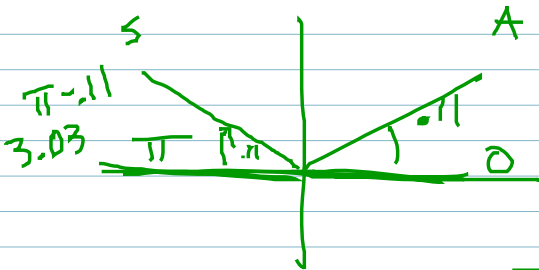
$$\downarrow$$

$$\sin x = \frac{1}{9}$$

$$x = \sin^{-1}\left(\frac{1}{9}\right)$$

$$x \approx 0.11$$

RAD MODE



$$x = 0, 0.1, \pi, 3.1$$

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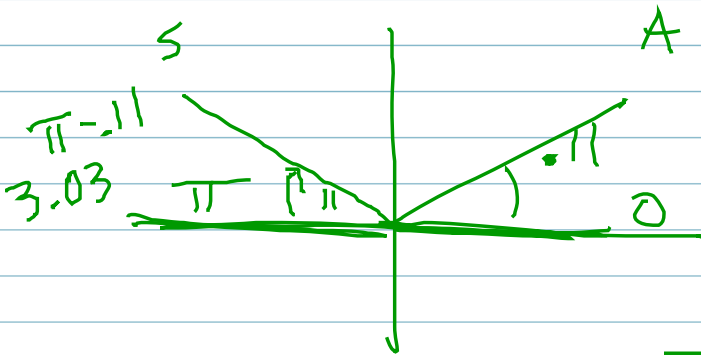
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