# Day 1 Solving Trig Functionsdd.notebook

## January 24, 2019

















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#### January 24, 2019







Jan 24-9:05 AM



7.) 501ve:  $\tan^2 x - 4 = 0$  in the interval  $0 \le x < 2\pi$   $4\tan^2 x = 4$   $0 = 45^{\circ}$   $4\tan^2 x = 1$   $135^{\circ}$   $4\tan^2 x = 1$   $315^{\circ}$  $\tan x = \frac{1}{315^{\circ}}$ 



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Jan 21-2:04 PM



Feb 25-12:49 PM

<i>Multiple Choice</i> What is a solution of the equation $4 \cos x + 2 = 0$ ?	Multiple Choice What is a solution of the equation $6 \cos x - 6 = 0$ ?
(A) $\frac{2\pi}{3}$ (B) $\frac{\pi}{6}$ (C) $\frac{5\pi}{3}$	(A) $\frac{\pi}{4}$ (B) $\frac{2\pi}{3}$ (C) $\frac{3\pi}{4}$
<i>Multiple Choice</i> What is a solution of the equation $5 \tan x - 5 = 0$ ?	<i>Multiple Choice</i> What is an approximate solution of the equation $1 - 3 \sin^2 x = 0$ ?
<b>a</b> $-\frac{\pi}{4}$ <b>b</b> $\frac{\pi}{6}$ <b>c</b> $-\frac{3\pi}{4}$	<ul> <li>▲ 0.583</li> <li>▲ 0.615</li> <li>▲ 0.672</li> <li>▲ 0.774</li> <li>▲ 0.832</li> </ul>
$\mathbf{D}  \frac{\pi}{12} \qquad \mathbf{E}  -\frac{4\pi}{5}$	
	Multiple Choice What is a solution of the
	equation $\sin x = \sqrt{3} \cos x$ ?
Multiple Choice What is an approximate solution of the equation $2 \tan^2 x - 3 = 0$ ?	(A) $\frac{\pi}{3}$ (B) $\frac{\pi}{6}$ (C) $\frac{2\pi}{3}$
▲ 0.8423 (B) 0.8571	- 5-
C 0.8725 (D 0.8861	
E 0.8973	

Apr 28-1:56 PM