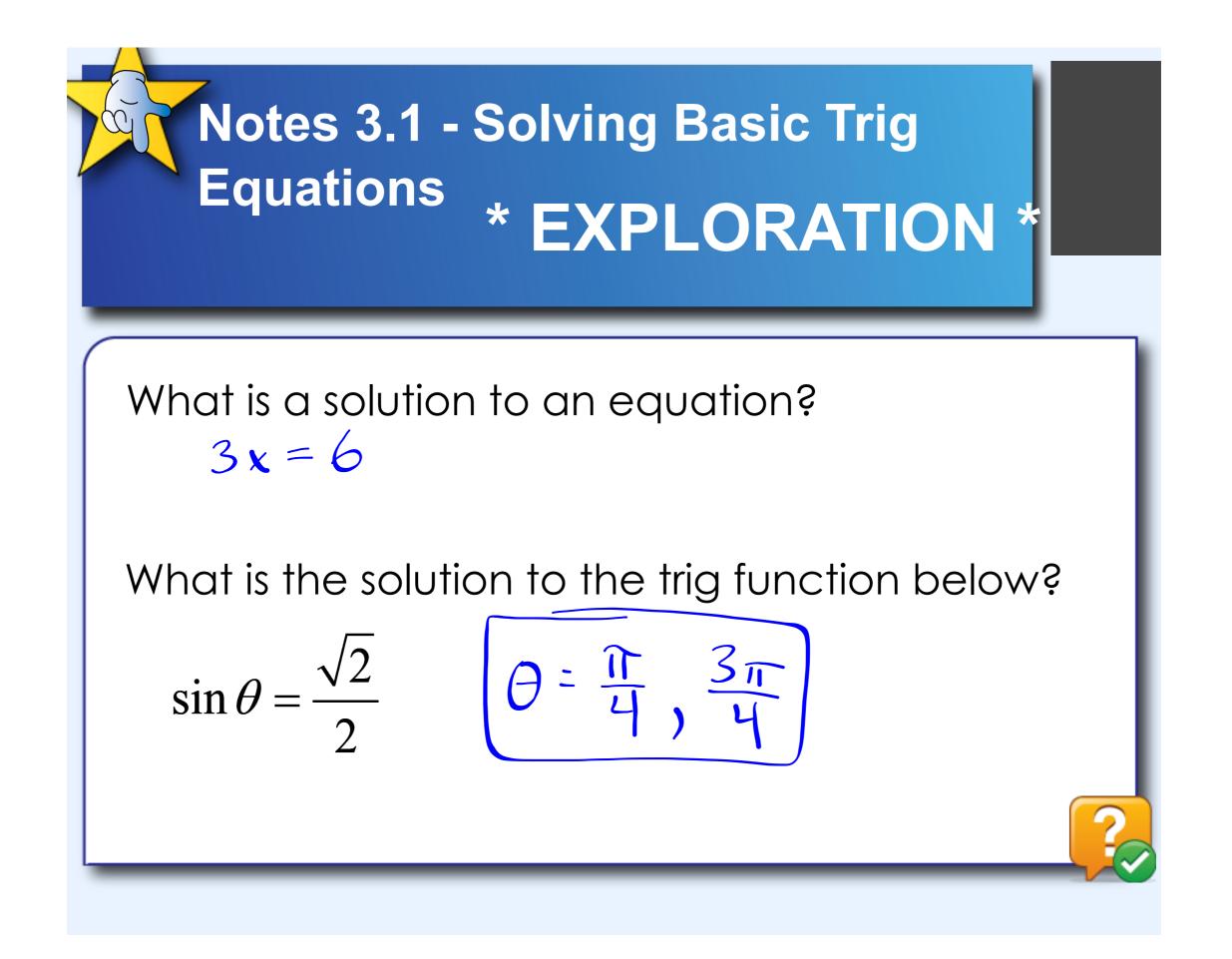
Notes 3.1 - Solving Basic Trig Equations * WARM UP *

sin 0 $\frac{1}{2}$ $\sqrt{52}$ $\sqrt{53}$ 1 cos 1 $\frac{\sqrt{53}}{2}$ $\frac{\sqrt{52}}{2}$ $\frac{\sqrt{53}}{2}$ 1 tan 0 $\frac{\sqrt{53}}{3}$ 1 $\sqrt{53}$ 1 $\sqrt{53}$	MIDO	0	$\frac{\pi}{6}$	<u> </u>	<u> </u>	<u> </u>
cos l $\frac{c}{z}$ $\frac{c}{z}$ $\frac{c}{z}$ 0	5ín	0	<u>1</u> 2	52 2		
$\frac{\sqrt{3}}{3} \qquad \qquad \sqrt{3} \qquad U_{N} \lambda_{.}$	C05	($\int \frac{3}{2}$			0
	tan	0	<u> </u>	Į	53	レベン.

 $\int S \qquad (A) \qquad (-1/0) \qquad (-1/0)$

10,-1)

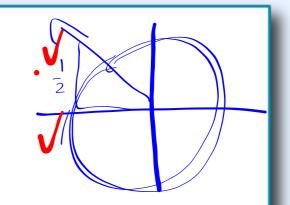


Notes 3.1 - S	olvi	ng	Bas	sic 1	rig		1
Equations	MIDO	0	$\frac{\pi}{6}$	<u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	17-3- 	<u>1</u> 2	
Equations	sin	0	$\frac{1}{2}$	12 2 52	<u>]</u> 3 2		
	C05	1	Z J	2	َکَ رک		-
	tan	0	3		JS	U~D.	

Solve for θ .

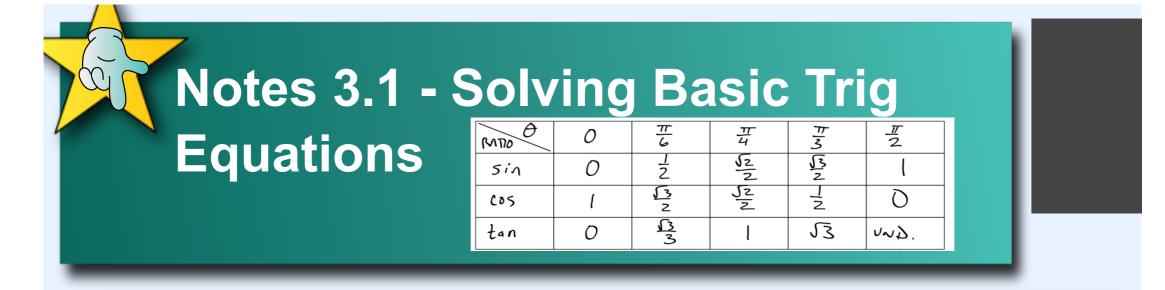
 $-\frac{1}{2} = \cos\theta$

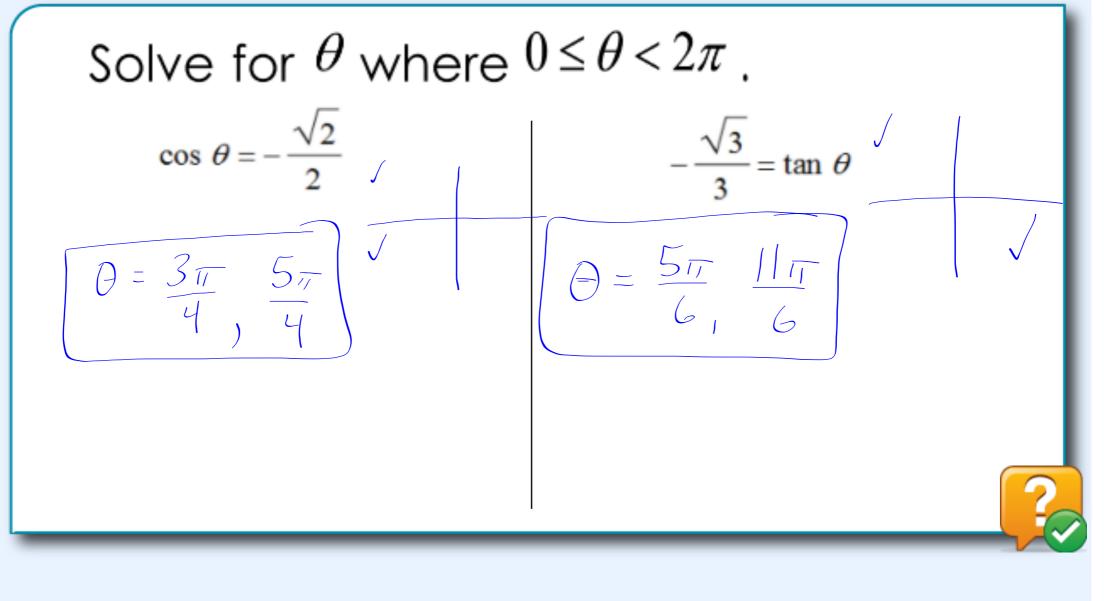
 $\left(\begin{array}{c} \theta = \frac{2\pi}{3}, \frac{4\pi}{3} \\ 3 \end{array} \right)$

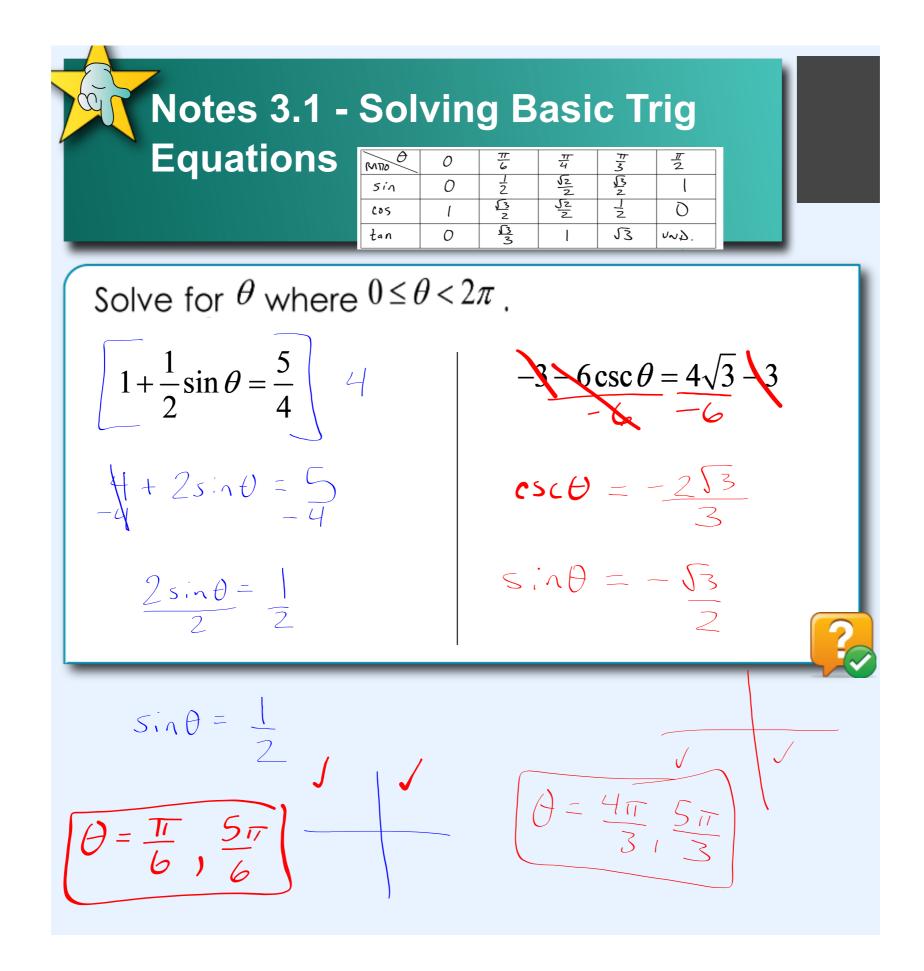


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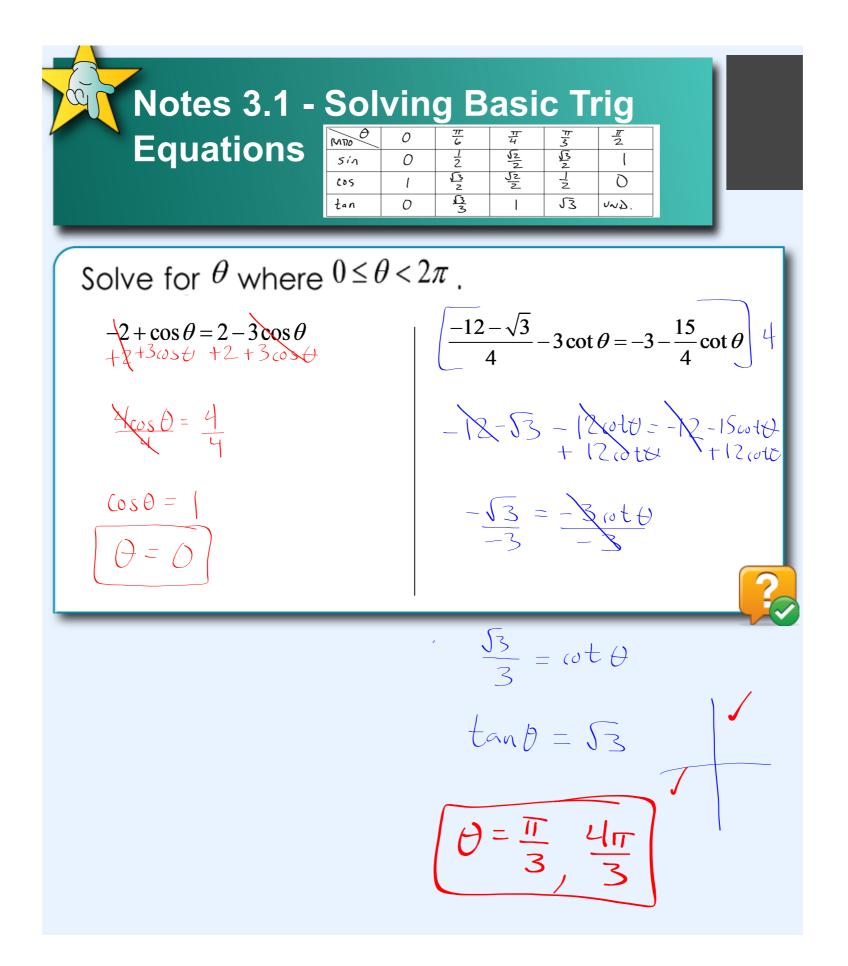
 $\begin{array}{l}
\left(\begin{array}{c}
\begin{array}{c}
\begin{array}{c}
\end{array} = \frac{2\pi}{3} + 2\pi(n) \\
\end{array} \right) \\
\left(\begin{array}{c}
\end{array} = \frac{4\pi}{3} + 2\pi(n) \\
\end{array} \right)
\end{array}$







 $\chi = 2$ X 2





MIDO	0	16	$\frac{11}{4}$	3	2
5in	0	12	5/2	<u>13</u> 2	l
C05	1	<u>53</u> 2	JZZ] Z	D
tan	0	1 <u>2</u> 3	l	ß	いんひ.

7

Solve for θ where $0 \le \theta < 2\pi$.

$$-\frac{4}{4} + \frac{4}{4} \csc \theta = -\frac{2}{\sqrt{3}} - \frac{3}{\sqrt{3}}$$
$$\frac{2}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} = \frac{2}{\sqrt{3}} - \frac{3}{\sqrt{3}}$$
$$\frac{2}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} = \frac{2}{\sqrt{3}} - \frac{3}{\sqrt{3}}$$
$$\frac{2}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}}$$
$$\frac{2}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}} - \frac{\sqrt{3}}{\sqrt{3}}$$

NO SOLUTION