

Solving Trigonometric Equations

Solve each equation on the interval $0 \leq x \leq 2\pi$.

1) $(2 \cos x)^2 = 2$

2) $\frac{\sin x}{\sqrt{3}} = \frac{1}{2}$

3) $-3 \csc x = 2\sqrt{3}$

4

5) $\frac{\sec x - 1}{\sqrt{5}} = 0$

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Solving Trigonometric EquationsSolve each equation on the interval $0 \leq x \leq 2\pi$.

1) $(2 \cos x)^2 = 2$

2) $\frac{\sin x}{\sqrt{3}} = \frac{1}{2}$

$\frac{\pi}{4}, \frac{3\pi}{4}, \frac{5\pi}{4}$

3) $-3 \csc x = 2\sqrt{3}$

$\frac{4\pi}{3}, \frac{5\pi}{3}$

5) $\frac{\sec x - 1}{\sqrt{5}} = 0$

$0, 2\pi$

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

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com