

## Solving Trigonometric Equations

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

1)  $3 \sin^2 x - 6 \sin x + 3 = 0$

2)  $2 \sec^2 x - 4 \sec x + 2 = 0$

3)  $\csc^2 x + \csc x$

$= -\tan^2 x$

5)  $\cot^2 x - \sqrt{3} \cot x$

$\cos^2 x = 5$

# 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](http://www.mathworksheets4kids.com)

## Solving Trigonometric Equations

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

1)  $3 \sin^2 x - 6 \sin x + 3 = 0$

2)  $2 \sec^2 x - 4 \sec x + 2 = 0$

3)  $\csc^2 x + \csc x$

$= -\tan^2 x$

5)  $\cot^2 x - \sqrt{3} \cot x$

$\cos^2 x = 5$

$\frac{\pi}{2}$

# 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](http://www.mathworksheets4kids.com)

$\frac{\pi}{6}, \frac{\pi}{4}, \frac{7\pi}{6}, \frac{5\pi}{4}$

$\frac{\pi}{2}$