

Solving Trigonometric Equations

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

1) $4\sqrt{2} = 4 \csc x$

2) $(2 \sin x)^2 + 3 = 6$

3) $6 \cot x - 2 = 2$

5) $9 \tan^2 x + 5 = 2$

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

Solving Trigonometric Equations

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

1) $4\sqrt{2} = 4 \csc x$

2) $(2 \sin x)^2 + 3 = 6$

3) $6 \cot x - 2 = 2$

5) $9 \tan^2 x + 5 = 14$

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

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

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.

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

$\frac{7\pi}{6}$

www.mathworksheets4kids.com

$\frac{\pi}{6}, \frac{5\pi}{6}, \frac{7\pi}{6}, \frac{11\pi}{6}$

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