

Solving Trigonometric Equations

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

1) $\sqrt{3} \sec^2 x + 2 \sec x - \sqrt{3} \sec x - 2 = 0$ 2) $4 \csc^2 x + 12 \csc x + 8 = 0$

3) $2 \sin^2 x - 3 \sin x + 2 = 2 \sin^2 x$

5) $2 \tan^2 x - 3 \sec x + 5 \cos x = 5$

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