

Always check your results
for extraneous solutions!

Solving Trig Equations

Quadratic type:

$$2 \sin^2 x - \sin x - 1 = 0$$

Solve by factoring:

$$\csc^4 x - 4 \csc^2 x = 0$$

Solve by combining like terms:

$$\sin x + \sqrt{2} = -\sin x$$

Solve with square roots:

$$3 \tan^2 x - 1 = 0$$

