<u>**Example 1:**</u> Solve by isolating the expression.

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

<u>**Example 2:**</u> Solve by extracting square roots.

$4 \sin^2 x - 3 = 0$

BE CAREFUL- YOU MUST INCLUDE ALL POSSIBLE SOLUTIONS FOUND IN ALL QUADRANTS.

Example 3: Solve by factoring.

$$\sin^2 x = 2 \sin x$$