





Solving a trigonometric equation is like solving any equation: the goal is to get the variable by itself on one side of the equal sign. The goal is to determine the value(s) of the variable that will make the equation a true statement. The number of solutions often depends on the domain given in the problem.

#124 With your team, solve each of the following equations over the given domains.

a. $\cos(x) = -\frac{\sqrt{2}}{2}$ for all x	
	b. $2\cos(x) = 1$ for all x
$a_{1}a_{2}a_{2}a_{3}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{2}a_{4}a_{4}a_{4}a_{4}a_{4}a_{4}a_{4}a_{4$	d. 2 sin(x) – $\sqrt{3}$ = 0 for 0 ≤ x < 2 π
C. $SIII(x) + 1 = 0.1010 \le x < 211$	