

## 10350 Solving Trigonometric Equations (Basic) - Sample Questions Set 16

Solving the following trigonometric equations in the given range without using a calculator.

**(Basic 1)**  $\cos(x) = \frac{1}{2} \quad 0 < x < 2\pi$

**(Basic 2)**  $\cos(x) = -\frac{1}{2} \quad 0 < x < 3\pi$

**(Basic 3)**  $\csc(x) = 2 \quad -2\pi \leq x \leq 2\pi$