

## 10350 Solving Trigonometric Equations (Miscellaneous) - Sample Questions Set 17

Solving the following trigonometric equations in the given range with using a calculator.

(Miscellaneous 1)  $\sin(3x) = -\frac{1}{2}$      $0 < x < 2\pi$

**(Miscellaneous 2)**  $\cot^2(x) = 1 \quad 0 < x < 2\pi$

**(Miscellaneous 3)**  $2 \sin(x) \cos(x) = \cos(x) \quad -2\pi \leq x \leq 2\pi$