Trigonometric Equations - Independent Practice Worksheet

Complete all the problems.

1. Cot x - $\sqrt{3}$ = 0; x [0,2n]

2. $0 \leq x \leq 2\pi$, Solve the equation 4 Sec x + 8 = 0.

3. 2 Sin x = $\sqrt{3}$ ; x [0,2n]

4. $0 \leq x \leq 2\pi$, Solve the equation 2 Sin x Cos x = Sin x.

5. Cos x = $\frac{\sqrt{2}}{2}$; x [0,2n]

6. Csc x Cot x + Cot x = 0; x [0,2n]

7. $0 \leq x \leq 2\pi$, Solve the equation Sin 2x = $\frac{\sqrt{3}}{2}$.

8. $0 \leq x \leq 2\pi$, Solve the equation Sin 2$\theta$ = -1.

9. $0 \leq x \leq 2\pi$, Solve the equation Cos 2$\theta$ = $\frac{\sqrt{2}}{2}$.

10. 3 tan x = 3; x [0 \leq x \leq 2\pi].