Name _____   Date _____

Trigonometric Equations - Independent Practice Worksheet

Complete all the problems.

1. Cot x - $\sqrt{3}$ = 0; x [0,2π]

2. 0 ≤ x ≤ 2π, Solve the equation 4 Sec x + 8 = 0.

3. 2 Sin x = $\sqrt{3}$; x [0,2π]

4. 0 ≤ x ≤ 2π, Solve the equation 2 Sin x Cos x = Sin x.

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

6. Csc x Cot x + Cot x = 0; x [0,2π]

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

8. 0 ≤ x ≤ 2π, Solve the equation Sin 2ϴ = -1.

9. 0 ≤ x ≤ 2π, Solve the equation Cos 2ϴ = $\frac{\sqrt{2}}{2}$.

10. 3 tan x = 3; x [0 ≤ x ≤ 2π].