

## Chapter 5.3 – Solving Trigonometric Equations HW Day 1

Solve each trigonometric equation. Find all solutions on the interval  $[0, 2\pi)$ .

1)  $2 \cos x - 1 = 0$

2)  $2 \sin^2 x - \sin x - 1 = 0$

3)  $2 \cos x + 1 = 0$

4)  $\sqrt{3} \sec x - 2 = 0$

5)  $3 \csc^2 x - 1 = 0$

6)  $4 \cos^2 x - 1 = 0$

7)  $\cos x(\cos x - 1) = 0$

8)  $\tan x + \sqrt{3} = 0$

9)  $2 \sin x + 1 = 0$