

## Solving Trig Equations: Part 3

DAY 8

Example 1: \_\_\_\_\_

$$\sin\theta\cos\theta = \frac{-1}{2}, \quad \text{if } 0 \leq \theta < 2\pi$$

Example 2: \_\_\_\_\_

$$3\cos\theta + 3 = 2\sin^2\theta, \quad \text{if } 0 \leq \theta < 2\pi$$

Example 3: \_\_\_\_\_

$$\cos^2 \theta + \sin \theta = 2, \quad \text{if } 0 \leq \theta < 2\pi$$

Example 4: \_\_\_\_\_

$$\tan \theta = \cot \theta, \quad \text{if } 0 \leq \theta < 2\pi$$