Solving Trig Equations (Using the Unit Circle)

To solve trig equations: _____.

Infinitely Many Solutions

Examples: Solve the following trig equations for values between $0 \; and \; 2\pi$.

1. $2sinx - 1 = 0$

2. $2sinx + 1 = 0$

3. $sinx + \sqrt{2} = -sinx$

4. $tanx + \sqrt{3} = 0$

5. $3tan^2x - 1 = 0$

6. $tan^2x - 1 = 0$

7. $\sqrt{2}sinx + 1 = 0$

8. $tan^2x - 1 = 0$

The Unit Circle