

Here are a half dozen practice problems similar to those we worked in class. Solutions will be posted later in the weekend.

Solve each equation in the interval $[0, 2\pi)$

1. $2 \cos(x) + \sqrt{2} = 0$

2. $2 \cos(x) - \sqrt{3} = 0$

3. $10 \sin(x) - 2 = 3$

4. $2 \sin(x) + \sqrt{2} = 0$

5. $14 \cos(x) - 10 = -3$

6. $2 \cos(x) + 4\sqrt{3} = 3\sqrt{3}$