

Solve each equation in the given interval:

1. $5 \sin(x) + 14 = 10 \quad [0, 2\pi)$

2. $-11 \cos(x) - 7 = 0 \quad [0, 2\pi)$

3. $13 \sec(x) - 5 = 15 \quad [0, 2\pi)$

4. $5 \tan(x) + 17 = 1 \quad [0, 2\pi)$

5. $-13 \sin(x) - 2 = 4 \quad [0, 2\pi)$

6. $4 \sec(x) + 9 = 0 \quad [0, 2\pi)$