I. SOLVE EACH EQUATION IN THE INTERVAL $[0, 2\pi)$.

1. $2\cos(x) + 8 = 7$

2. $\tan(x) + 1 = 0$

3. $4\sin^2(x) + 2 = 5$ Note: $\sqrt{\dfrac{3}{4}} = \dfrac{\sqrt{3}}{\sqrt{4}} = \dfrac{\sqrt{3}}{2}$ (Just in case you were wondering.)

4. $\tan(x) - 1 = 0$

5. $5\tan(x) + 1.6 = -11.4$

6. $3\sec(x) + 10 = 4$

7. $\sin(x) = 0$

8. $2\sin(x) + 1 = 0$

9. $4.3\sin(x) + 2.1 = 3.9$