

Trig Equations worksheet 5.1 Name: _____

Solve for $0 \leq x < 2\pi$

1. $\sin x = \frac{1}{2}$

2. $\tan x = 1$

3. $2\sin x + \sqrt{3} = 0$

4. $2\cos x + \sqrt{3} = 0$

5. $2\cos x - \sqrt{3} = 0$

6. $\tan x + 1 = 0$

7. $\sqrt{3} \cot x + 1 = 0$

8. $\csc^2 x = 1$

9. $\sec^2 x - 1 = 0$

10. $4\sec^2 x = 8$