

PRECALCULUS
5.3 Worksheet #1

Name_____

Period_____

Solve:

1. $2\cos^2 4x = 1$ $(0, 2\pi]$

2. $3\tan^2 2x - 1 = 0$ $(0, 2\pi]$

3. $2\cos x + 1 = 0$

4. $2\sin\left(\frac{x}{2}\right) - 1 = 0$

5. $\sqrt{3}\csc x - 2 = 0$ $(0, 2\pi]$

6. $\tan\left(\frac{x}{3}\right) + 1 = 0$

7. $2\sin^2\left(\frac{x}{4}\right) = 1$

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

9. $4\sin^2 x - 3 = 0$

10. $\sin^2 x = 3\cos^2 x - 1$

11. $2\sin^2 x - 3\sin x + 1 = 0$

12. $\cos^3 x = \cos x$ $(0, 2\pi]$