

Solving Trig Equations (One Step):

Solve the following for all angles on the interval $0^\circ \leq \theta < 360^\circ$.

1. $2 \sin \theta = 1$

10. $\sqrt{2} \cos \theta = 1$

19. $\sqrt{3} \tan \theta = 1$

2. $\cos \theta - \frac{1}{2} = 0$

11. $-2 \sin \theta = \sqrt{2}$

20. $\tan \theta = -\frac{\sqrt{3}}{3}$

3. $\sin \theta + \frac{1}{2} = 0$

12. $\cos \theta + \frac{\sqrt{2}}{2} = 0$

21. $\tan^2 \theta = 3$

4. $-2 \cos \theta = 1$

13. $\sin^2 \theta = 1$

22. $\tan \theta + \sqrt{3} = 0$

5. $2 \sin \theta = \sqrt{3}$

14. $\cos \theta - 1 = 0$

23. $\tan^2 \theta = 1$

6. $\frac{\cos \theta}{\sqrt{3}} = \frac{1}{2}$

15. $\sin \theta + 1 = 0$

24. $\tan \theta + 1 = 0$

7. $\sin \theta + \frac{\sqrt{3}}{2} = 0$

16. $\cos^2 \theta = 1$

25. $\tan \theta + 3 = 3$

8. $-2 \cos \theta = \sqrt{3}$

17. $\sin \theta + 1 = 1$

26. $\tan \theta = \frac{8}{0}$

9. $\sqrt{2} \sin \theta = 1$

18. $\cos \theta - 2 = -2$