

Find all the solutions for α on the interval $[0, 2\theta)$

1. $\sin \alpha = \frac{-\sqrt{2}}{2}$

2. $\tan \alpha = \frac{-\sqrt{3}}{3}$

3. $\cot \alpha$ is undefined

4. $\sec \alpha = -2$

5. $\cos \alpha = \frac{\sqrt{3}}{2}$

6. $\csc \alpha = \frac{-2\sqrt{3}}{3}$

7. $\tan \alpha = -1$

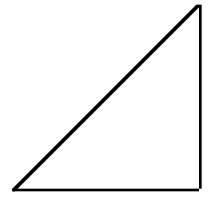
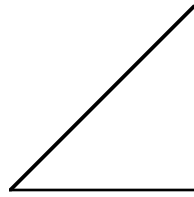
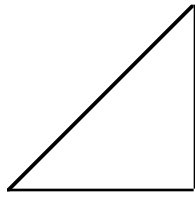
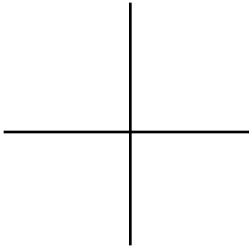
8. $\cot \alpha = -\sqrt{3}$

9. $\sin \alpha = \frac{-\sqrt{3}}{2}$

10. $\sec \alpha = \sqrt{2}$

11. $\cos \alpha = \frac{\sqrt{2}}{2}$

12. $\csc \alpha = 2$



13. $\sin \alpha = 0$

14. $\cos \alpha = \frac{-1}{2}$

15. $\tan \alpha = -\sqrt{3}$

16. $\cot \alpha = \frac{\sqrt{3}}{3}$

17. $\csc \alpha = 1$

18. $\sec \alpha = \frac{-2\sqrt{3}}{3}$

19. $\sin \alpha = \frac{1}{2}$

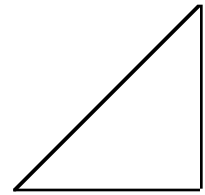
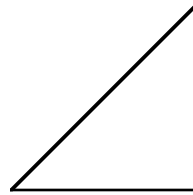
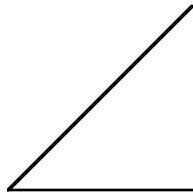
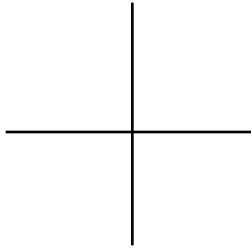
20. $\cos \alpha = 0$

21. $\tan \alpha = \frac{\sqrt{3}}{3}$

22. $\cot \alpha = -\sqrt{3}$

23. $\csc \alpha = -2$

24. $\sec \alpha = 1$



Find all the solutions for α in the real numbers:

25. $\sin \alpha = \frac{-\sqrt{2}}{2}$

26. $\cot \alpha = \sqrt{3}$

27. $\tan \alpha = 1$

28. $\sec \alpha = 2$

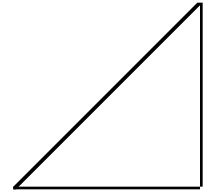
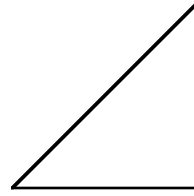
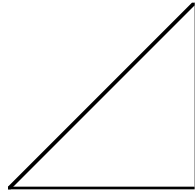
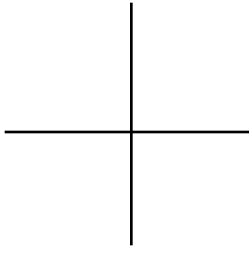
29. $\cos \alpha = \frac{-1}{2}$

30. $\csc \alpha = \frac{2\sqrt{3}}{3}$

31. $\sin \alpha = -1$

32. $\cot \alpha = \frac{-\sqrt{3}}{3}$

33. $\tan \alpha = \sqrt{3}$



34. $\sec \alpha = 1$

35. $\cos \alpha = \frac{-\sqrt{2}}{2}$

36. $\csc \alpha = \sqrt{2}$

37. $\csc \alpha = -\sqrt{2}$

38. $\cos \alpha = \frac{1}{2}$

39. $\tan \alpha = 1$

40. $\cot \alpha = 0$

41. $\sin \alpha = -1$

42. $\sec \alpha = 2$