

For each of the following, draw a diagram and show the approximate location for **ALL** angles that meet the criterion. Give exact angle measures or radians when appropriate.

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

2. $\cos \theta = \frac{\sqrt{2}}{2}$

3. $\tan x = 1$

4. $\cot \theta = -1$

5. $\sin \theta = 0$

6. $\cos \theta = -1$

7. $\cos \theta = \frac{1}{2}$

8. $\sin x = -\frac{\sqrt{3}}{2}$

9. $\sec \theta = -\sqrt{2}$

10. $\csc \theta = -2$

11. $\cot x = -\sqrt{3}$

12. $\cos \theta = 0$