

## UNIT CIRCLE - PRACTICE #2

NAME: \_\_\_\_\_

Identify the following values using your unit circle (exact values only, please). For each question, sketch a quick unit circle and show where the angle is to which you are referring.

1.  $\sin 120^\circ =$

2.  $\sec 300^\circ =$

3.  $\tan 60^\circ =$

4.  $\cos -30^\circ =$

5.  $\cot 240^\circ =$

6.  $\csc 330^\circ =$

7.  $\sin 450^\circ =$

8.  $\cos -720^\circ =$

9.  $\cot -300^\circ =$

10. Name the angle(s) with a cosecant of  $-2$ .11. Name the angle(s) with a sine of  $-1$  such that  $360^\circ \leq \theta \leq 720^\circ$ .12. Name the angle(s) with a secant of  $\sqrt{2}$ .13. Name the angle(s) with a cosine of zero where  $360^\circ \leq \theta \leq 720^\circ$ .

14. Name the angle(s) with an undefined tangent.

15. Find  $\theta$  where  $\sin \theta = -\frac{\sqrt{3}}{2}$  and  $\theta$  is in the fourth quadrant.16. Find  $\theta$  where  $\cos \theta = \frac{\sqrt{3}}{2}$  and  $\theta$  is in the second quadrant.17. Find  $\theta$  where cotangent = 1 and  $\theta$  is in the third quadrant.18. Find  $\theta$  where tangent = 1 and  $-360^\circ \leq \theta \leq 0$