

**Writing Assignment 3: What's My Angle**  
**Due: Monday, September 15, 2008**

Name \_\_\_\_\_  
Section: 1:30

Without a calculator, solve each of the equations in 1-18 **exactly** for  $\theta$ ,  $0 \leq \theta < 2\pi$ .  
Draw  $\theta$  in standard position.

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

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

2.  $\sin\theta = 1$

11.  $\cos\theta = 0$

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

12.  $\sin\theta = -\frac{1}{2}$

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

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

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

14.  $\sin\theta = -1$

6.  $\sin\theta = \frac{1}{2}$

15.  $\sin\theta = -\frac{\sqrt{3}}{2}$

7.  $\sin\theta = -\frac{\sqrt{2}}{2}$

16.  $\cos\theta = -1$

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

17.  $\sin\theta = 0$

9.  $\cos\theta = 1$

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