QUIZ 9 – Math 105 – Fall 2007
Pietro Poggi-Corradini

1. $\sin\frac{\pi}{3} =$ $\boxed{}$

2. $\cos\frac{5\pi}{4} =$ $\boxed{}$

3. True or False. $\sin\frac{49\pi}{12} > 0.$ $\boxed{}$

4. Write $(1-\sin\theta)(1+\sin\theta)$ in terms of $\cos\theta$. $\boxed{}$

5. Graph $\sin\theta$ on the interval $[0, 2\pi]$ (On back).

6. Write $\cos\left(\theta+\frac{\pi}{2}\right)$ in terms of $\sin\theta$. $\boxed{}$

7. Draw the unit circle and draw the angle $\frac{\pi}{6}$ and the angle $\frac{5\pi}{6}$ (On back).

8. What can you say about the $\sin$ and $\cos$ for the two angles in n. 7.

$\boxed{}$

9. Find θ so that $\cos\theta = 2.$ $\boxed{}$

10. Write $\sin(x+4\pi)$ in terms of $\sin x.$ $\boxed{}$