QUIZ 10 – Math 105 – Fall 2007
Pietro Poggi-Corradini

1. $\sin \frac{\pi}{2} =$ ☐

2. $\cos \frac{2\pi}{3} =$ ☐

3. True or False. $\cos \frac{44\pi}{13} > 0.$ ☐

4. Write $\sin^2 \theta$ in terms of $\cos \theta$. ☐

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

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

7. Draw the unit circle and draw the angle $\frac{\pi}{3}$ and the angle $-\frac{\pi}{3}$ (On back).

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

☐

9. Find θ so that $\tan \theta = 1$. ☐

10. $\arcsin x = \pi/2$, $x =$ ☐