

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Instructions:** Please complete the following problems.**Problem 1.** Find the six trigonometric values of  $\frac{\pi}{2}$ .**Problem 2.** Find the six trigonometric values of  $\frac{5\pi}{3}$ .**Problem 3.** Given the point on the unit circle  $\left(-\frac{\sqrt{2}}{2}, \frac{\sqrt{2}}{2}\right)$ , find  $\cos(x)$ .**Problem 4.** Given the point on the unit circle  $\left(\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$ , find  $\sec(x)$ .**Problem 5.** Is the point  $\left(\frac{3}{2}, \frac{1}{4}\right)$  on the unit circle?**Problem 6.** Find all the values of  $u$ , so the given point is on the unit circle:  $\left(u, \frac{-2}{5}\right)$ .**Problem 7.** Find  $\tan(4\pi)$ **Problem 8.** Find the exact value of:  $\sin(180^\circ) - \cos(0^\circ)$