

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

In the problem, $P = (x, y)$ is the point on the unit circle that corresponds to the real number t . Find the exact value of the indicated trigonometric function of t .

1) $\left(\frac{3}{8}, \frac{\sqrt{55}}{8}\right)$ Find $\sin t$. 1) _____

2) $\left(-\frac{\sqrt{77}}{9}, \frac{2}{9}\right)$ Find $\cos t$. 2) _____

3) $\left(\frac{4}{9}, \frac{\sqrt{65}}{9}\right)$ Find $\tan t$. 3) _____

4) $\left(\frac{\sqrt{21}}{5}, \frac{2}{5}\right)$ Find $\sec t$. 4) _____

Find the exact value using the unit circle. Do not use a calculator.

5) $\cos\left(\frac{9\pi}{2}\right); \sec\left(\frac{9\pi}{2}\right)$ 5) _____

6) $\sin 4\pi; \cos 4\pi$ 6) _____

7) $\tan(-7\pi); \sin(-7\pi)$ 7) _____