

Math 375, Spring 2026, Quiz 12, 3/4/26
No calculator

Name:

1) Find sine, cosine, and tangent of $\frac{4\pi}{3}$. Use proper notation in your answer.

2) Find all 6 trig functions of 90° . Use proper notation in your answer.

Ans:

1)

$$\sin\left(\frac{4\pi}{3}\right) = -\frac{\sqrt{3}}{2}$$

$$\cos\left(\frac{4\pi}{3}\right) = -\frac{1}{2}$$

$$\sin\left(\frac{4\pi}{3}\right) = \sqrt{3}$$

2)

$$\sin(90^\circ) = 1$$

$$\csc(90^\circ) = 1$$

$$\cos(90^\circ) = 0$$

$$\sec(90^\circ) = \text{Undef}$$

$$\tan(90^\circ) = \text{Undef}$$

$$\cot(90^\circ) = 0$$