MATH 19501 Quiz 15 - Winter 25

Name: _____   EMPLID: _____ Answer all 4 questions.

You must show all of your work as neatly and clearly as possible and indicate the final answer in the provided region for each non-graph question. For all graph questions, you should sketch your graph on the grid provided.

1. (4 points) Find the reference angle R for $\theta = 200°$.

Write your answer in the box below:

$$R =$$

2. (4 points) Find the exact value of $\sin(\frac{11\pi}{6})$.

Write your answer in the box below:

3. (4 points) If $\sin t = -\frac{3}{4}$ and t is in quadrant III, find $\tan t$.

Write your answer in the box below:

$$\tan t =$$

4. (4 points) Find the exact value of $\csc(\frac{7\pi}{6})$. Write your answer in the box below: