

Math 232 Fall 2002  
Quiz 5 (10/10)

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

This quiz is worth 10 points and you have 10 minutes to complete it.

**Calculators are NOT allowed today.**

**1.** (5 points) Find the coordinates  $(x, y)$  where the terminal edge of the angle  $\theta = -\frac{5\pi}{4}$  meets the unit circle. Your work should include a sketch of  $\theta$  on the unit circle and a triangle with labeled side lengths.

**2.** (5 points) Find the domain of  $f(\theta) = \frac{1}{1 - \cot \theta}$ . Part of your work should be illustrated on a picture of the unit circle.