NAME:

Quiz 6 [25 pts]. June 26, 2007.

Math 0115 Sec 0101 Summer 2007

[8] **1.** Solve the following exponential equation for x:

$$2^{x^2+2x+4} = 8$$

[8] **2.** Solve the following logarithmic equation for x (remember to check your answer):

$$\log_3 x + \log_3 (x+8) = 2$$

[3] **3.** What is the *terminal point* for $\frac{\pi}{4}$?

[3] **4.** What is the *reference number* for $-\frac{7\pi}{6}$?

[3] **5.** What is the *terminal point* for $\frac{5\pi}{3}$?