## Math 221 Week 4 Quiz

Name:

Section:

Instructions: There are 2 questions in this quiz (both sides printed).

Time: 10 minutes.

You do not need to simplify your answers

No Calculators, No Notecards

You must show your work and justify your answer to receive credit. Good luck and try to have fun!

Problem 1: Let

$$f(x) = \begin{cases} ax+1 & x < 6\\ x^2 + a & x \ge 6 \end{cases}$$

Find the value of a that makes f continuous everywhere. (5 points)

