Quiz 7

MATH 221

Name: _____

For full credit please explain all of your answers. **No calculators** are allowed.

Problem 1. Find all the critical points of the following function:

$$f(x) = \frac{x + 6}{x^2 - 4}$$

Problem 2. Compute the following limit. Show all your work (write lim at each step, equals signs etc.):

$$\lim_{\theta \to 0} \frac{\tan(x)}{x}$$