

## Quiz 1

MAC 2311

Summer 2008

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

Score: \_\_\_\_\_

**Show all of your work for full credit.**

1. Evaluate the limit,

$$\lim_{x \rightarrow -1} \frac{x^2 - 4x}{x^2 - 3x - 4},$$

if it exists.

2. Find the limit,

$$\lim_{x \rightarrow -6} \frac{2x + 12}{|x + 6|},$$

if it exists.