

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

Section: \_\_\_\_\_

**Math 120B**

**Quiz 4**

**November 6, 2003**

Show all work for full credit.

1. (5 points) Find the vertical and horizontal asymptotes of the function

$$f(x) = \frac{5x^2 + 3}{(2x + 1)(x - 2)}.$$

2. (5 points) How fast do you have to run around a circular track with radius 75 feet in order to have an angular speed of 4 degrees per second?