

Name: _____

Section: _____

Math 120A

Quiz 2

April 15, 2004

Show all work for full credit.

1. (5 points) Let $f(x) = 3x^2 - 5x$. Use this to rewrite the expression

$$\frac{f(x+h) - f(x)}{h}$$

and simplify as much as possible.

2. (5 points) Give the multipart rule for the function

$$g(x) = 1 + |5x - 2|.$$