

Name: _____

Section: _____

MATH 120A

QUIZ 4

May 1, 2003

You may use a calculator to complete this quiz. No notes please. Show all work.

1. (4 points) Let $f(x) = x^2 - x + 4$ and $g(x) = |x - 4|$.

Find the multi-part rule for the function $(f + g)(x)$.

2. (6 points) Below is the graph of a function $y = f(x)$ on the domain $0 \leq x \leq 3$. Compute each of the following.

(a) $f^{-1}(3)$

(b) $f^{-1}(f(2.5))$

(c) $f^{-1}(f(f(0)))$

