

Name: _____

Section: _____

MATH 120A
QUIZ 4
February 6, 2003

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

1. (5 points) Let $f(x) = \frac{4x - 12}{x + 5}$. Compute $f^{-1}(x)$.

2. (5 points) Recall the basic step function $u(t) = \begin{cases} 0, & \text{if } t < 0 \\ 1, & \text{if } 0 \leq t \leq 1 \\ 0, & \text{if } t > 1. \end{cases}$

Sketch the graph of the function $v(t) = 5u(\frac{1}{3}t) + 4$.