

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

Quiz #4

Math 220

October 16, 2003

1. [5 points] Prove that for every  $a, b, c \in \mathbb{Z}$ , if  $a \neq 0$  and  $ab = ac$ , then  $b = c$ .

2. [5 points] Prove that for every  $x \in \mathbb{Z}$ ,  $x^2 \geq x$ .