

Math 231 Spring 2003  
Quiz 4 (2/25)

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

*This quiz is worth 10 points and you have 10 minutes to complete it. Show all work and circle your final answers.*

**Calculators ARE allowed today.**

**1.** (4 pts) Write the following limit using the formal definition of an infinite limit. (Don't try to prove anything, just write down the limit statement.)

$$\lim_{x \rightarrow 2^+} \frac{1}{x - 2} = \infty$$

**2.** (6 pts) Write a delta-epsilon proof for  $\lim_{x \rightarrow -3} (1 - x) = 4$ . Be sure that your logic is clear.