

## 235 Limit Definition Quiz

September 20, 2010

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

*You may use your class notebook as long as all writing in the notebook is your own.  
No books, photocopied material, extra papers, calculators, cell phones, or peeking.  
Work individually.*

1. Find the smallest magnitude number  $N < 0$  that corresponds to the value  $\epsilon = \frac{1}{16}$  for the limit  $\lim_{x \rightarrow -\infty} x^{-2} = 0$ . Show me how you get to your answer with a labeled graph.