

Math 232 Spring 2004
Quiz 4 (2/5)

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 NOT allowed today.

1. (5 pts) Sketch a rough graph of $f(x) = 20 - 5e^{-2x}$. Label at least one point on your graph. (DO NOT take any derivatives; use what you know about transformations and the graphs of exponential functions.)

2. (5 pts) Find $\lim_{x \rightarrow \infty} \frac{4(2^x)}{1 + 3^x}$. Show your work.