

Math 232 Fall 2002
Quiz 3 (9/19)

Name: _____

This quiz is worth 10 points and you have 10 minutes to complete it.

Calculators are NOT allowed today.

1. (5 points) Find the critical points of the function $f(x) = x^2 3^x$. Show all work.

2. (5 points) Use what you know about exponential functions and transformations to sketch a rough graph of the function $f(x) = 20 - 5e^{-2x}$. Label any asymptotes and any y -intercept.