

Circle One:

Name: _____

11:00-11:55 (325)

3:30-4:20 (333)

Math211-2, Fall 2007

Quiz #5: 10-24-07

No Calculators. There are four problems.

1. (3 Points) Sketch the graph of $f(x) = e^x + e^{-x}$. Indicate any asymptotes, extrema points and inflection points.

2. (3 Points) Determine whether the function $f(x) = x^4 - 6x^2$ has a global maximum and/or minimum on the interval $[0, 2]$. What are these values?

3. (3 Points) Find the point on the graph of $y = \sqrt{x}$ that is closest to the point $(1, 0)$.

4. (Bonus) (1 Point) Is 20 minutes enough time for this quiz?