

232 Chapter 7 Quiz

January 26, 2008

Name: _____
By printing my name I pledge to uphold the honor code.

*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.*

1. **Word Problem.** INSERT PROBLEM HERE. For full credit you must justify your answer and show your work carefully and in order.

Second problem is on the back →

2. **Curve Sketching.** Sketch a careful, labeled graph of $f(x) = x^{\frac{3}{2}}(3x - 15)$, including the locations of any roots, extrema, inflection points, holes, asymptotes, etc. Show all work clearly so I can see how you arrived at your graph. More information means better graph and more points.