

Math 214
Test 1 Plan
5.19.10

4:10-5:20 p.m.

Bring a calculator that is capable of arithmetic and power calculation (e.g. $30^{2.5}$)
Below are the test question subjects and associated homework problems to study to prepare for these questions.

1. Profit-Loss &/or Equilibrium Analysis – R.4.76; R.5.93
2. Graphical &/or Algebraic Limits – 1.1.27-44, 69-71; 1.2.39-52
3. Derivative Calculation by Definition – 1.4.1-24, 34-38
4. Derivative Calculation by Rules - 1.5.1-74; 1.6.1-48, 101-109; 1.7.1-44
5. Tangent Line Calculation - Be able to do a tangent line on all problems from #4
6. 1st Derivative Test – 2.1.1-34, 70-78
7. 2nd Derivative Test – 2.2.1-46
8. Rational Function Sketching – 2.3.1-56, 57, 60, 61
9. Absolute Min/Max – 2.4.1-38, 97, 98, 100
10. Min/Max Applications – 2.5.13-22, 31, 32, 36, 37