

## REVIEW SHEET FOR TEST 1

- **Take the practice test at [www4.ncsu.edu/~lakurtz/141.html](http://www4.ncsu.edu/~lakurtz/141.html)**
- **From 1.1** p. 23 # 53,54,57
- **Appendix B**
  - Be able to graph and recognize circles, ellipses, lines, parabolas
- **1.5 Laws of Exponentials**
  - Know Laws of Exponents p. 54
  - p.60 #21, 29
- **1.6 Inverse Functions and Logarithms**
  - Definition of a 1-1 Function p. 61
  - Be able to find Inverses p.64
    - Examples p. 70 #21-27 odd
  - Know Laws of Logs p. 65
- **1.7 Parametric Curves**
  - Be able to eliminate the parameter and find a Cartesian equation of the curve
  - Be able to sketch the curve and indicate the direction of increasing t
  - Examples p. 77 #5,7,9, 15, 17
- **2.2 The Limit of a Function**
  - Know definition of Limit p100
  - Be able to look at a graph and find limits
  - Examples p. 102 #3,4,5
- **2.3 Calculating Limits Using Limit Laws**
  - Examples p. 111 #9,15,17,19,21
  - Know the Squeeze Theorem, ex. p 115 #27,29,31
- **2.4 Continuity**
  - Know Definition p.113
  - Examples p. 121 # 3,4
- **2.5 Limits Involving Infinity**
  - Know what it means for something to be a vertical or horizontal asymptote
  - Examples p. 133 #3 p. 133 #15,17,19,23,29,35