PC – Final Exam Semester 1 Prep

<table>
<tr><td rowspan="2">From the Math 111 Study Guide, these types of problems are definitely on the test:

#1 (parts a-k) – Graph Investigations
#2 (part a) – Inverse Functions
#5 (Transformations)
#6 (Filling in a table)
#7 (Piecewise Functions)
#8 (Piecewise Functions)
#13 (parts d, g, h, i, j, l, and m) - solving logarithms
#14 (Carbon Dating)
#16 (compounding interest $)
#22 (equations from a graph – just the equation part)</td><td colspan="2">From the Jamieson-created handout, all of the problems will be assessed.

You should complete each problem on that review, and use the Math 111 study guide as well for extra problems.</td></tr>
<tr><td>Part 1 of the Final:
-Increasing/Decreasing
-Max/Min
-Concave Up/Down
-Domain/Range
-Even/Odd/Neither
-Using a graph to determine f(3), f(x) = 2
-Filling in a table
-Transformations
-Finding Inverses
-Piecewise Functions</td><td>Part 2 of the Final:
-Using roots to write the equation of a polynomial
-Finding Roots given one root of a polynomial
-Rational Functions
-Vertical/Horizontal Asymptotes
-Graph to an equation
-Solving for x with logarithms
-Carbon Dating
-Doubling/Triple an investment</td></tr>
<tr><td colspan="3">There are no re-takes for the Final Exam!!!</td></tr>
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From the Jamieson-created handout, all of the problems will be assessed in some way.

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