Your first 100-point exam will cover chapter 3. Remember to bring your calculator – you are not allowed to share a calculator with anybody else.

Practice Problems: You can expect to see problems on the exam similar to those listed below. You will not see any problems on piecewise-defined functions or on the difference quotient.

Chapter 3 Review (pp. 229 - 234): 3, 4, 7, 9, 36-38, 40-43, 47, 49, 50, 54, 57, 60, 61, 70, 75, 87, 88, 89, 91

Review study problems and problem set answers (solutions posted on my website).

Redo the In-Class Worksheet Operations on Functions (Graphically).

Extra Practice:
1. Below you are given the graph of \( y = f(x) \) for \( x > 0 \). Complete the graph assuming that:
   a) \( f \) is an even function.
   b) \( f \) is an odd function

\[ \begin{align*}
\text{Graph of } y = f(x) & \quad \text{for } x > 0.
\end{align*} \]

2. Below you are given the graph of \( y = g(x) \). Use the graph to answer a - d.
   a) Sketch the inverse function of \( g \): \( g^{-1} \).
   b) What is the domain of \( g \)?
   c) What is the domain of \( g^{-1} \)?
   d) Sketch the functions \( h(x) \) where:
      \[ h(x) = -\frac{1}{2} g(x) + 2 \]
      \[ h(x) = g(x + 3) - 1 \]