

Reading Assignment for Section 1.3

MATH 130: Calculus I, Sections 2 and 3
Fall Semester 2013

Follow the general guidelines for the Reading Assignment (the salmon colored handout).
Be sure to include and label all four standard parts a,b,c,d of the Reading Assignment in what you hand in.
Be sure to staple together each assignment, and include your name and which section of calculus you are in at the top.

Due: at the beginning of class on Friday, August 30th

Read:

Section 1.3, pages 22-31

Reading Questions for part (a):

1. If g is the inverse of f , what is the inverse of g ? Why? (Hint: Use the definition of inverse to explain your answer.)
2. (i) What is the relationship between the domain of a function f and its inverse?
(ii) If we know that $f(3) = 7$, what else do we know?
3. Do all functions have inverses? If so, why? If not, which ones do? Explain why your response (yes or no) makes sense.
4. The book says that logarithmic functions are the *inverse* functions of exponential functions. Explain what that really means.
5. The notation for the inverse of a function f is confusing. Why? Be careful with this!!!

Remember parts b-d on the salmon handout!