

MATH 150

Today

1. WeBWorK
2. Chapter 0 (0.4)
3. Homefun

Goals:

1. Algebra Review
 - (a) Functions (Understand the definition of a function, corresponding vocabulary, and representations of functions)

Where is today's material used?

1. Functions are central throughout mathematics and science (physics, chemistry, economics, ...)
2. Average rate of change (understand how to compute and interpret the average rate of change of a function on an interval)

Chapter 0: Getting on the Same Page

1. Functions
 - (a) Definition and notation
 - (b) Vocabulary (domain, codomain, range, dependent/independent variables)
 - (c) Graphs of functions
 - (d) Vertical line test
 - (e) One-to-one functions and the horizontal line test
 - (f) Average rate of change
2. Examples: p. 47: 30, 37, 39, 43, 31, 49, 59, 57-62, 10, 73, 76

Next Time

1. Section 0.5 [22 min]