

ASSIGNMENT

Read 15.2 up to example 5

- Note: vertically simple is Type 1 from class and horizontally simple is Type 2 from class
- p. 882 3, 7, 10, 21, 22, 45

TAKE-AWAYS

After reading this section, attending this class and doing this homework you should

- know how to set up a double integral over more general regions; in particular, know how to recognize what type of region you're integrating over and then be able to set things up in the right order
- have reviewed some algebra: in particular, you will have had to find the intersections of many functions
- have refamiliarized yourself with graphs of functions $x = f(y)$.
- be comfortable to slice a complicated region of neither Type 1, 2 nor 3 so that each slice is of one the three Types.