

## ASSIGNMENT

Rest of 15.2

- p. 882 25, 27, 30, 33, 35, 39, 43, 49

## TAKE-AWAYS

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

- know that if a region is of Type 3, then you can change the order of integration
- understand that sometimes the only way to make progress on the double integral is to change the order of integration
- be good at changing the order of integration
- also understand that a double integral can have meaning beyond just being a volume: you can use it to find the average value of a function, to find the total population of a region give the population density of the region, to compute centers of mass, etc.