

## Chapter 16

# Multiple Integrals

16.1 Double Integrals over Rectangles

16.2 Iterated Integrals

16.3 Double Integrals over General Regions

16.4 Double Integrals in Polar Coordinates

16.5 Applications of Double Integrals

16.6 Surface Area

16.7 Triple Integrals

16.8 Triple Integrals in Cylindrical and Spherical Coordinates

16.9 Change of Variables in Multiple Integrals