

# Optimization

## Reading

Sections 15.8

## Problems

- Practice Problems 15.8: 2, 3, 5, 7, 11, 15, 16, 19, 23, 25
- Problems to turn in 15.8: 4, 6, 12, 20, 24

## Topics to know

1. Graphical intuition behind Lagrange Multipliers method.
2. Lagrange Multipliers theorem.
3. Example of linear equation on ellipse.
4. Use to find point from plane closest to origin.
5. Multiple constraints.