Key Concepts Final Exam

Chapter 5

- Definitions of Gravitational Forces, Potential, and gravitational Force Field
- Examples 5.1 and 5.3
- Force lines, flux
- Gauss law for the gravitational field
- Example 5.4

Chapter 6

- Conditions for extremum; Euler-Lagrange equation
- Study the many examples in the lecture notes
- Conditions for extremum in the presence of constraints: Lagrange multipliers