MATH 151 Homework 19
Due 4/3

Read Section 4.7.

Do Section 4.2 Exercise 32
Do Section 4.3 Exercise 6, 28, 32, 56

Also, do the following exercises.

SF44. For positive constants A and B, the force between two atoms in a molecule is given by

$$f(r) = \frac{-A}{r^2} + \frac{B}{r^3}$$

where $r > 0$ is the distance between the atoms. What value of r minimizes the force?

SF45. Find the point on the parabola $y^2 = 2x$ that is closest to the point $(1, 4)$.