

Due March 31 (April 1)

Note: The topic of this assignment has been covered on Thursday March 25. Because of the holiday of Passover the topic of the March 30 lesson will not be included in the third exam, but in the fourth exam, see below.

In the language of Apostol: stationary points are extreme values.

1. Apostol II, **9.13**: 1, 4,7, 16.
2. Shurman 4.5.1, 4.5.2, 4.5.5, 4.5.7.
3. Compute and classify the extreme value of the function:
 $f(x, y, z) = x^2 + yz$.

On March 30 we will cover the following sections:

Apostol II, Chapter 9, Sections 1 and 2.