

Preparing for Class 36

Reading: Read *CiC Handouts* Section 3.7.

Homework Due: Only problems assigned to prepare for Classes 34 are due at the start of Class 36.

Monday, November 20*Class 36:***Partial Derivatives**

In some of our optimization problems you have already encountered functions of *two* variables. In the problems we have looked at so far, you could always use another relationship between these two variables to solve for one in terms of the other. This meant that you could reduce your original function from a function of two variables to a function of one variable. However, you do not always have another relationship that you can use in this way. In such cases, we will need to make use of *partial derivatives* rather than ordinary derivatives. This class will introduce you to this concept.

Preparing for Class 37

Reading: Review *CiC Handouts* Section 3.7.

Problems: *CiC Handouts* Section 3.7, # 1, 3, 5, 6, 9.

HAVE A GOOD THANKSGIVING BREAK!