

Learning Objective:

- Compute Gradients and Directional Derivatives
-

Key Equations:

Notes (3+ sentences or ideas):

Examples with explanations (2+):

Include at least one example of each

Learning Objective:

- identify local extreme points of real-valued functions (of two+ variables)
-

Key Equations/Methods of Classification:

Give 2-D version and \mathbb{R}^n version

Notes (3+ sentences or ideas):

Examples with explanations (2+):

- Use Lagrange multipliers to find solutions to constrained optimization problems

Notes (3+ sentences or ideas):

Examples with explanations (2+):

Two ADDITIONAL examples, expanding on any of the three main objectives, with explanations (2+):

You will not get credit for this page if you do not include explanations.