

Section 15.7 Worksheet:

Assignments:

- Page 981: 1, 4, 5, 8, 10, 15, 16, 25, 27, 35 (due Friday, 2/13).
- Page 981: 30, 31, 37, 41, 46 (due Monday, 2/16).

a. Does the existence of a critical point imply an extremum?

b. What is a saddle point?

c. How does the second derivative test from univariate functions extend to the bivariate case?

d. Aside from examining critical points, what other places are likely candidates to have extrema?