

MATH-300

Andrew Jones

Homework 2

Pages 22 - 24 From The Differentiable Viewpoint

By John W. Milnor

The University Press of Virginia

Chapter 1

2. THE THEOREM OF SARD AND BROWN

In general, it is too much to hope that the set of critical values of a smooth map be finite. But this set will be “small,” in the sense indicated by the next theorem, which was proved by A. Sard in 1942 following earlier work by A.P. Morse, (References [30], [24].)