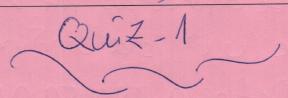
November 18, 2019 Name (Please Print) Analysis III - Final Exam - Semester I 19/20

Page 2 of 5.



1. Let M, N be smooth manifolds and f: M -> N be a smooth map. Prove that f is Continuous. (3)

2. Let M, N be smooth manifolds,

f: M > N be a constant map. Does

this imply Df(p): TpM -> ToN is

this imply Df(p): TpM -> Ton (3)