

Math 18 fall 2010
Homework Set #4
due Thursday September 30, 2010 at noon

Topics covered: multivariable functions, limits along curves, general limits, continuity, partial derivatives, rate of change, implicit partial derivation, higher order partial derivatives

Suggested reading¹: Sections 13.1-3

Problems:

| Sections | 13.1 | 13.2 | 13.3 |
|-------------|------------------------|--------------------------|-----------------|
| Problem no. | 2,16,19,24,36,45,51,61 | 4,7,10,14,23,28,30,40,42 | 2,4,15,70,85,92 |

¹All problems and readings are from H.Anton, I.Bivens and S.Davis, Calculus Multivariable, 9 edition