

## ASSIGNMENT

Read rest of 14.4

- p. 811 11, 13, 17, 27, 39, 41

## TAKE-AWAYS

After reading this section, attending this class and doing this homework you should

- understand that this isn't any different than what you did in Calc I
- know and understand the many equivalent versions of linear approximation
- know the standard way to approximate a multivariable function using a function's linear approximation
- see how to use the definition of differentiability and be happy for the existence of Theorem 1