

ASSIGNMENT

Read 14.3 through example 6

- p. 802 7, 15, 25, 43, 49, 53

TAKE-AWAYS

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

- know how to find a partial derivative algebraically
- be able to visualize partial derivatives in 3-space and explain how they are in fact just the plain old derivatives of curves you learned about in Calc I
- understand how partial derivatives relate on level curves