

18.01, September 25, 2003
Recitation Suggestions

1. Go over most missed problems on exam. Don't spend too long on this.
2. I really didn't do lin. approx. well enough. Please do one or two of the application problems from Notes A and Exercises 2A, e.g. 2A-14 is nice!
3. Explain how to compute lin. approx. of $f(g(x))$ from lin. approx. of $f(0)$ and $g(x)$?
4. Review sine and cosine. Have students compute derivatives of expressions like $x\cos(x)-\sin(x)$, etc. at an angle different from 0 ($x = \frac{\pi}{4}, \frac{\pi}{6}, \text{etc.}$)
5. Graph $x\sin(x)$, $x\cos(x)$, qualitatively (oscillates b/w IX and use even/odd). In particular analyze behavior at $x=0$.
6. Anything else you want (probably not any time after all this!)