

Problems to study for test 2

Autumn Fall 2009

In Reverse order

§4.5 p257 #13, 15, 16, 22

§4.4 p242-245 #8, 9, 10, 26, 52, 53

§4.3 p236-237 #6, 25, 30, 31, 41, 42, 43, 44

§4.2 p226-229 #7, 23-27, 49, 52

§4.1 p217 #1, 4, 11

§3.11 #1, 2, 4-9, 10-14, 19-22, 24, 37

§3.9 #22, 23, 33, 36

§3.10 #29-34, 43-47

§3.8 #9, 13, 15

§3.7 #1-70

§3.6 #1-38

5 differentiation problems
from §3.6-3.10

1 or 2 related rates

2-3 full graphs

1-2 optimizations on closed
interval.

1. linear approx

Important points

- ① Make sure you rework all of 3.6 - 3.10
- ② Think again about all related rates (3.11)!
- ③ Started problems from 4.1 through 4.5 are extra likely.