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/m175.fa05/handouts175/t5_175_C14/review_suggestions_5.tex

1 This blurb is now in final form, content-wise.

2 The final exam is

Wednesday
12/14/05
1030-1230

3 Here are some odd-numbered problems listed to help review. The list will grow.

- 6.1: 21
- 6.2: 19-29 odds (think cylindrical shells sometimes)
- 6.2: 53, 55 (not rotations)
- 6.4: 21, 23
- 7.1: 1, 7, 9, 11
- 7.1: 55, 57
- 7.2: 3, 7, 13, 23, 25, 29, 49
- 7.3: 4, 5, 13, 17, 21, 31, 41
- 7.4: 11, 16 (not odd, but special), 17, 27, 49
- 7.5: 1, 5, 7, 35, 41, 81
- 7.7: 9 (this needs a Σ -capable calculator)
- 7.8: 13, 17, 21, 57, 63, 71c
- Page 541: 15, 31
- 10.1: 9, 11, 25, 27
- 10.2: 7, 9, 41, 45
- 10.3: 9, 11, 31, 33, 45
- 10.4 (I neglected to put out an assignment)

- 11.1: 25, 35, 43, 47 and 2.6: 21, 23, 25
- 11.2: 7, 17, 23, 27, 29
- 11.3: 5, 13, 21
- 11.4: 11, 13, 15, 25, 29, 41
- 11.5: 9, 11, 23, 27
- 11.6: 7, 9, 19, 25, 27
- 11.7: 37, 38
- 11.8: 11, 13, 19, 23
- 11.9: 5, 7, 9, 13, 19, 37
- 11.10: 17, 23, 25, 27, 29, 55,
- 11.11: 3, 7, 17
- 11.12: 3, 5, 7

4 Be sure you're up on

(i) derivatives for

- **arctan**
- **arcsin**
- **$f(g(x))$**
- **sinh**
- **cosh**

(ii) antiderivatives for

- **tan**
- **sec**
- **$f'(g(x))g'(x)$**
- **$f(x)g'(x)$**

(iii) the sum of a geometric series

(iv) the “group-work” limits