

Calculus II
Start of Homework Two
Due Friday 18 January, 2013

Spreadsheets: Please email me a copy of your spreadsheet or share it with me on google drive.

1. Use a spreadsheet to estimate $\int_0^{10} \sqrt{2x} dx$. Use $n = 5$ intervals and calculate both the left- and right-hand sums.
2. Use a spreadsheet to estimate $\int_{-4}^4 \sin(x) dx$. Use $n = 8$ intervals and calculate both the left- and right-hand sums. Explain your answer.

Chapter 5.3:

1. 4
2. 6
3. 10
4. 14
5. 23
6. 36

Chapter 5.4:

1. 6
2. 10
3. 13
4. 14-18
5. 26 (Hint: Think geometrically)
6. 36-39