

Warm-Up Problem Presentations

Calculus III — Per. 3 — Spring 2011

Group	Partners		Date	Stewart 6 th	Problem	Critique Groups		
1	Cameron	Yenny	Th 2/23	12.3	52	19	18	17
2	Clara	Josh	Th 2/23	12.3	53	18	17	16
3	Stephanie	Maggie	F 2/24	Ch.12 Review Exercises	10	17	16	15
4	Bjorn	Jared	F 2/24	12.5	38	16	15	14
5	Robert	Jeff	M 2/27	12.5	63	15	14	13
6	Eric C	Noah T	M 2/27	12.5	64	14	13	12
7	Harold	Alisa	Tu 2/28	Ch.12 Review Exercises	22	13	12	11
8	Nick	Kevin	Tu 2/28	12.3	46	12	11	10
9	Emelie	Taylor	W 2/29	12.3	48	11	10	8
10	Sarafina	Manita	Th 3/1	12.4	39	9	8	7
11	Paolo	Noah S	F 3/2	12.4	40	10	9	6
12	Angela	Jonathan	M 3/5	12.5	74	8	7	9
13	Amanda	Eric S	Tu 3/6	12.5	76	7	6	5
14	Richard	Oliver	W 3/7	13.2	32	6	5	4
15	Amy	Hannah	Th 3/8	13.3	59	5	4	3
16	Jason	Kim	F 3/9	13.4	41	4	3	2
17	Olivia	Nicole	M 3/12	14.2	40	3	19	1
18	Colin	Lucy	Tu 3/13	14.3	4	2	1	19

On Presentation Day

➤ Warm-Up

- Create two or three short warm up problems that tie into the key concepts or steps of the problem you will be presenting. Have solutions prepared ahead of class to save time in discussing these.
- 5 minutes for class to work on warm up problem at beginning of class. Quiet, individual work.

➤ 5 minute presentation by assigned group.

- Explain the assigned problem clearly. Feel free to use your creativity when introducing the problem, but be sure to clearly explain what needs to be solved.
- Clearly explain your solution. Include a general description of your strategy as well as details.
- Use *at least one* graphical and/or numerical representation to support solution. This should be something beyond typical, algebraic solution methods. Suggestions include using *Mathematica*, building a three-dimensional model, using Excel or a graphing calculator to demonstrate numerical analysis related to the problem, drawing a sketch or series of sketches to illustrate, etc.
- Connect your problem and solution method to at least one *key* topic in the section. What is the primary concept your problem reviews?
- Answer any questions the class has regarding the problem. Be sure to repeat questions before answering them.

Warm-Up Problem Presentations

Grade Sheet and Critique Form Outline

____(20 pts.) ***Problem and Solution***

- ____(5 pts.) Short warm-up connected to key concepts
- ____(5 pts.) Clarity in explaining problem situation
- ____(5 pts.) Accuracy in solution explanation
- ____(5 pts.) Clarity in solution explanation

____(10 pts.) ***Graphical and/or Numerical Support***

- ____(5 pts.) Offers good connection with and support of solution
- ____(5 pts.) Clarity in presentation of graph, chart, and/or table

____(10 pts.) ***General Understanding***

- ____(5 pts.) Connection to major concept(s) in section (accurate and clear)
- ____(5 pts.) Thoroughly and accurately answers questions

____(10 pts.) ***Style***

- ____(5 pts.) Actively engages class and creative
- ____(5 pts.) Preparation (includes presenting on correct day *and* turning in follow-up on time)

____(10 pts.) ***Follow-Up***

- ____(5 pts.) Self-Critique (individual, one for each group member)
- ____(5 pts.) Reflection (group, one per team)

____(60 pts.) ***Total***