

Assessment Rubric – Results

Course # Math 132
 Semester Fall 2005

Student identifier _____
 Student course grade _____

(Problems 8 & Extra Credit 9a, 9b)

1. Interface between the real world and mathematics 11 Assessed in this problem
22 Not assessed

- a. Translates real world situation into mathematical symbology:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant		Average
A	0	0	0	0	5	0		5
B	0	0	0	0	0	0		0
C	0	0	0	0	2	0		5
D	0	0	0	0	1	0		5
F	0	0	0	1	2	0		4.7

- b. Interprets mathematical conclusion in terms of real world situation:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant		Average
A	0	1	1	0	3	0		4
B	0	0	0	0	0	0		0
C	0	0	0	0	2	0		5
D	0	0	0	0	1	0		5
F	2	1	0	0	0	0		1.3

- c. Evaluates the reasonableness of the mathematical results:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant		Average
A	0	1	1	1	2	0		3.8
B	0	0	0	0	0	0		0
C	0	0	0	2	0	0		4
D	0	0	0	0	1	0		5
F	2	0	0	1	0	0		2

2. Problem solving skills and computation

33 Assessed in this problem

0 Not assessed

a. Identifies an effective method for solving the problems:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant	Average
A	0	0	0	2	13	0	4.87
B	0	0	0	0	0	0	0
C	0	1	0	0	5	0	4.5
D	0	0	1	0	2	0	4.3
F	3	0	3	1	2	0	2.9

b. Implements the method chosen correctly:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant	Average
A	0	0	0	5	10	0	4.7
B	0	0	0	0	0	0	0
C	1	0	1	2	2	0	3.7
D	1	0	1	0	1	0	3
F	5	2	1	1	0	0	1.8

c. Uses a correct method to check the validity of the results obtained:

1 (poor)	2	3	4	5 (excellent)	Not Relevant	Average
0	0	0	0	1	32	--

3. Appreciation of mathematical rigor and precision

0 Assessed in this problem

33 Not assessed

a. Determines the validity of a given argument:

b. Develops a valid argument from given rules:

4. Overall

a. Presents work clearly:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant	Average
A	0	0	0	4	11	0	4.73
B	0	0	0	0	0	0	0
C	1	0	0	3	2	0	3.83
D	1	0	0	2	0	0	3
F	2	5	1	1	0	0	2.1

b. Presents work in detail:

	1 (poor)	2	3	4	5 (excellent)	Not Relevant	Average
A	0	0	2	4	9	0	4.47
B	0	0	0	0	0	0	0
C	0	2	1	1	2	0	3.5
D	0	1	1	1	0	0	3
F	2	5	2	0	0	0	2

