13 FEB 12

•DAY 93•

- Midterm Results & Rounding Protocol
- Practice Workshop 1b

OR

Grade conference with MR. DAVIS

- Homework Assignment

★ YOU MAY NOT REMOVE YOUR MIDTERM EXAMINATIONS FROM THIS ROOM ★

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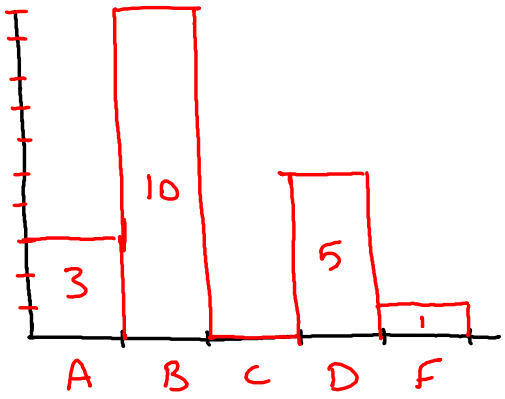
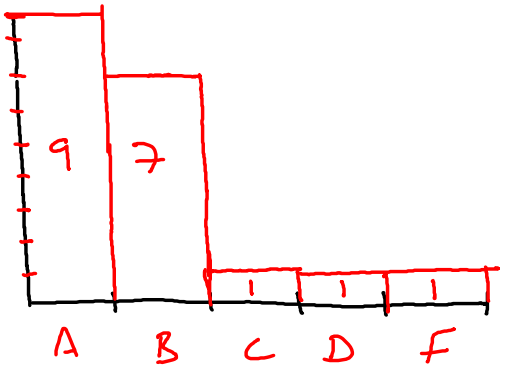
⇒ Calculus Midterm Results

class average 80.7%



⇒ Physics Midterm Results

class average 88.7 %.



OVERALL SEMESTER 1 CLASS AVERAGE : 86.1%

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⇒ Understanding the grade sheets

TERM Q2 - Quarter In Progress Final Grade

84 85

Q2 including midterm

70% assessment
15% HW
5% scan
10% midterm
100%
x/100

actual Q2 grade

70% assessment
15% HW
5% scan
90%
x/90

TERM Q2 - Semester Grade 84
TERM Q2 - Final Exam 75

↓

Rounding (to your advantage)
typically used the rounded scores in Infinite unless the tenths place actually helped you:

89.4 * 90% + 80.4 * 10% = 88.5 ⇒ 89
89 * 90% + 80.4 * 10% = 88.14 ⇒ 88

this did not appear to be the case with anyone

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⇒ Rounding Policy effective 13 FEB 12

- Q1: rounded to nearest integer (and Q3)
- Q2: rounded to nearest integer (and Q4)
- final exam: rounded to nearest integer
- semester grade: $0.9 \cdot (Q2) + 0.1 (\text{final exam})$ then rounded to nearest integer
- final grade: $(\text{sem 1} + \text{sem 2})/2$ then rounded to nearest integer

⇒ HOWEVER!

In calculating semester grades, I'll keep watch for cases where rounding down the Q2 (Q4) grade adversely affects the semester grade.

A) $89.4 * 90\% + 80.4 * 10\% = 88.5 \Rightarrow 89$

B) $89 * 90\% + 80 * 10\% = 88.1 \Rightarrow 88$

In the above scenario, I'll go with case A.

⇒ Calculating Final course grades in June

the ½ + ½ factors make less of a difference than 9/10 + 1/10 factors

① $86.4 \cdot \frac{1}{2} + 92.4 \cdot \frac{1}{2} = 89.4 \Rightarrow 89$

$86 \cdot \frac{1}{2} + 92 \cdot \frac{1}{2} = 89 \Rightarrow 89$

same result regardless of rounding

②★ $86.5 \cdot \frac{1}{2} + 92.4 \cdot \frac{1}{2} = 89.45 \Rightarrow 89$

$87 \cdot \frac{1}{2} + 92 \cdot \frac{1}{2} = 89.5 \Rightarrow 90$

The cusp problem of ① vs ② is rare

③ $86.49 \cdot \frac{1}{2} + 92.49 \cdot \frac{1}{2} = 89.49 \Rightarrow 89$

same result as if 86 & 92 were used

Policy: for end of year grades in this year long course, I will average the two semester grades that were officially entered into Infinite Campus (i.e. Sem 1 and Sem 2 that have already been rounded to the nearest whole #).

☆If you EVER feel like your grade is incorrect or some injustice exists, PLEASE speak with me and will take a look at it ☺

Just a reminder...
85.49 does NOT round to 86 : if rounding to the nearest whole number (0.49 < 0.50) 85.49 is closer to 85 than it is to 86.

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★Homework Assignment★

- grade sheets signed and returned
- READ & TAKE NOTES HRW Chapter 9
  sections 9-1, 9-4, 9-6, 9-7
- HRW Chapter 9 QUESTIONS: 2, 3, 4
  PROBLEMS: 18, 19
- OPTIONAL: finish AP Calculus MC from Practice Workshop

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