

# MAC1140 SEC29 HW 11-05-2007 10.4

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Due: 11-07-2007

Full Name:

Sec#:

Extra Credit Attempted?

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1.

$$[10.4.1aPT] \begin{vmatrix} 4 & -1 & -x \\ 3 & 0 & 7 \\ 1 & 2 & -2y \end{vmatrix} =$$

- $6x + 6y + 63$
- $-2x - 2y - 21$
- $-6x - 6y - 63$
- $2x + 2y + 21$

2.

[10.4.2aPT] Select the solution given by Cramer's rule for the following system, where

$$D = \begin{vmatrix} 5 & -2 & 3 \\ 3 & 1 & -2 \\ 1 & -2 & 3 \end{vmatrix} \quad A = \begin{vmatrix} -2 & -2 & 3 \\ 3 & 1 & -2 \\ -1 & -2 & 3 \end{vmatrix} \quad B = \begin{vmatrix} 5 & -2 & 3 \\ 3 & 3 & -2 \\ 1 & -1 & 3 \end{vmatrix} \quad C =$$

$$\begin{vmatrix} 5 & -2 & -2 \\ 3 & 1 & 3 \\ 1 & -2 & -1 \end{vmatrix}$$

$$\begin{cases} 5x - 2y + 3z = -2 \\ 3x + y - 2z = 3 \\ x - 2y + 3z = -1 \end{cases}$$

- $x = D/A$
- $x = A/D$
- None of these
- $x = D/C$
- $x = C/D$

## 2. Summarization of Test 2

- Please summarize the reasons for the fluctuation of your scores. If you have made progress, what do you think benefits you most. If your grade falls, what do you think caused that? You may want to detail your thoughts in terms of attendance, HW quality, quiz, review sets and so forth.
- Write down your quiz average, T1 score and T2 score and then write down the average grade you expect. Explicitly calculate the T3 score and final exam score you must achieve in order to fulfill your goal. What if one cannot expect the final to be higher than the test average? What's your expectation for T3 then? Use the following formula to do the calculation.

Q      T1      T2      Expected T3      Expected Final      Expected Average

Formula1:  $(5U+4E)/10 + Q$ ,

Formula2:  $(4U+5E)/10 + Q$ ,

where U is the test weighted average =  $(3T1+4T2+5T3)/12$

- What do you think you can do and the instructor can do to help you reach your expectation? Please give details.
- I no longer put triangles on the grade sheet of T2. But some of you definitely need to talk to me in person to figure out what happened to your T2. This is all up to you and your attitude toward this course.
- I will post the updated quiz average and T1, T2 on blackboard later today.