Spring 2022 precal
Lesson 13.2

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Herbert Lehman High School
5a May 2022

Today's activity: Review

1. For the pairs of matrices below, find $(2A \times B) - A$

   A. $A = \begin{bmatrix} 2 & 2 \\ 1 & 2 \end{bmatrix}, B = \begin{bmatrix} 1 & 4 \\ -3 & 2 \end{bmatrix}$

   B. $A = \begin{bmatrix} 2 & 2 & 1 \\ 1 & 2 & -1 \\ 0 & 2 & 3 \end{bmatrix}, B = \begin{bmatrix} 1 & 4 & 1 \\ -3 & 2 & -1 \\ 2 & 3 & 1 \end{bmatrix}$

2. For the system of equations below, (i) convert to a matrix equation, (ii) use the adjugate and determinant to find the inverse, (iii) solve the system of equations

$5x - 2y = -9$

$-7x + 3y = 13$

3. When you finish,work on test corrections, missing psets, or final projects

Announcements
1. Quiz #2 retake on **Friday**
2. MP linear optimization final project (now posted)

class: Python **goal:** matrix multiplication/matrix inverse review, final project

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- see handwritten notes for answers.
- +hdw multiply matrices AxB? multiply each row of A by a column B
- +In 2AxB-A do we do AxB or 2A first? do 2A.
- +hdw find the adjugate and determinant of a 2x2 matrix? review you notes to find the formulas!

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wrapping up!
be sure to: read the directions below!

1. Make sure there isn't any litter near your workstation.
2. If you borrowed headphones, sign them back in.
3. **Make sure you are logged out of your computer!**
4. Remain in your seat until the bell rings.

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