Math 1313 Online

Week 3

Popper 6(Wednesday's Lecture)

Instructions

- Homework will NOT be accepted through email or in person. Poppers must be submitted through CourseWare. BEFORE the deadline.
- Submit the completed assignment at http://www.casa.uh.edu under "EMCF" and choose Popper 6.

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1. When is Quiz 1 due?
   a. February 6
   b. February 7
   c. February 8
   d. At the end of the semester

2. Do not ask on the discussion board, what was the answer to question 2 from Wednesday's lecture, so mark the same answer according to the video?

Use the following matrices

$$A = \begin{pmatrix} -2 & 3 & 1 \\ 7 & -4 & -5 \end{pmatrix}, \quad B = \begin{pmatrix} 1 & 8 \\ 3 & -4 \\ -7 & 2 \end{pmatrix}, \quad C = \begin{pmatrix} 5 & -2 & 3 \\ -4 & 0 & 1 \end{pmatrix}, \quad D = \begin{pmatrix} -2 & -5 \\ -3 & 7 \\ 8 & -1 \end{pmatrix}$$

3. Is $3A - 2C$ possible?
   a. Yes
   b. No

4. Do not ask on the discussion board, what was the answer to question 4 from Wednesday's lecture, so mark the same answer according to the video?

Use the following matrices

$$A = \begin{pmatrix} -2 & 3 & 1 \\ 7 & -4 & -5 \end{pmatrix}, \quad B = \begin{pmatrix} 1 & 8 \\ 3 & -4 \\ -7 & 2 \end{pmatrix}, \quad C = \begin{pmatrix} 5 & -2 & 3 \\ -4 & 0 & 1 \end{pmatrix}, \quad D = \begin{pmatrix} -2 & -5 \\ -3 & 7 \\ 8 & -1 \end{pmatrix}$$

5. Let $X = -4B + 3D$. Identify x_{21}
   a. -15
   b. 3
   c. 0
   d. -21
   e. None of the above