

Math 1313 Online

Week 4

Popper 7(Monday'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 7.
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1. Do not ask on the discussion board, what was the answer to question 1 from Monday's lecture, so mark the same answer according to the video?
2. Do not ask on the discussion board, what was the answer to question 2 from Monday's lecture, so mark the same answer according to the video?
3. The following represent matrices and the dimension of each is also stated below.

A is a matrix of size 4X2

B is a matrix of size 3X5

C is a matrix of size 7X2

D is a matrix of size 5X4

E is a matrix of size 5X3

The product CA is defined.

- a. True
 - b. False
4. Given the following matrices, Let $X = AB$.

$$\begin{pmatrix} -2 & 4 & 5 & 0 \\ 1 & -3 & 2 & 3 \end{pmatrix} \begin{pmatrix} 9 & 3 & 2 \\ -7 & -1 & 3 \\ 5 & 0 & -2 \\ 1 & 2 & 6 \end{pmatrix}$$

Find $x_{2,2}$.

- a. 12
- b. 6
- c. 43
- d. 7

5. The following represent matrices and the dimension of each is also stated below.

A is a matrix of size 4×2

B is a matrix of size 3×5

C is a matrix of size 7×2

D is a matrix of size 5×4

E is a matrix of size 5×3

The product BD is defined.

a. True

b. False