

QUIZ October 2, 2013

Clicker Instructions: A = True; B = False;
C = I don't know; D = No truth value
correct = 1pt; don't know = 0pt; wrong = -1pt

5. Let I be the $n \times n$ identity matrix. Let A be another $n \times n$ matrix. Then

$$IA = AI.$$

1. You can multiply a 2×3 matrix by a 3×4 matrix, and the result is a 2×4 matrix.
2. If A , B and C are square matrices, and $AC = BC$, then $A = B$.
3. The transpose of

$$\begin{bmatrix} a & b \\ c & d \end{bmatrix}$$

is

$$\begin{bmatrix} d & b \\ c & a \end{bmatrix}.$$

4. If A and B are of appropriate dimension so they can be multiplied together, then

$$(AB)^T = A^T B^T.$$