

MapleT.A. 2010 Matematik 2A hold 4 : matrix operationer 1



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2010 Matematik 2A hold 4, matrix operationer 1 Jens Mohr Mortensen, 6/10/10 at 6:57 PM

Question 1: Score 0/6

Der er givet en $m \times n$ matrix A og en $p \times q$ matrix B, hvor m=4, n=4, p=4 og q=6.

Markér alle udtryk nedenfor, der er definerede under disse antagelser.

| Choice | Selected | | Points |
|--------|----------|---|--------|
| A^2 | No | X | |
| A + B | No | | |
| BA | No | | |
| B^2 | No | | |
| AB | No | X | |



Number of available correct choices: 2

Partial Grading Explained

Question 2: Score 0/6

Der er givet to $m \times n$ matricer A og B, og en $p \times q$ matrix C, hvor m=4, n=6, p=6 og q=4.

Markér alle udtryk nedenfor, der er definerede under disse antagelser.

| Choice | Selected | / / X | Points |
|---------|----------|---------------------|--------|
| A(C+B) | No | | |
| ACB | No | X | |
| СВА | No | | |
| ABC | No | | |
| (A-2B)C | No | X | |

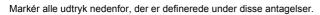


Number of available correct choices: 2

Partial Grading Explained

Question 3: Score 0/6

Der er givet to $m \times n$ matricer A og B, og en $p \times q$ matrix C, hvor m=7, n=9, p=9 og q=7.





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| Choice | Selected | | Points |
|------------------------------|----------|---|--------|
| C^TBA | No | | |
| A^TBC^T | No | | |
| $\left(A^T - 2B^T\right)C^T$ | No | X | |
| ABC^T | No | | |
| $A^{T}(C^{T}+B)$ | No | X | |

Number of available correct choices: 2

Partial Grading Explained

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