

NAME: _____ Score _____/10

Please **print** your name**SHOW ALL YOUR WORK IN A NEAT AND ORGANIZED FASHION**

1. A _____ is a rectangular array of numbers.
2. T F Matrix multiplication is commutative.
3. T f If two matrices have the same order, their sum is a matrix of that same order.
4. T F If two matrices have the same order, their product is a matrix of that same order.
5. T F Every square matrix has an inverse.
6. T F If a matrix has an inverse then it is a square matrix.
7. T F Matrix addition is commutative.
8. T F The determinant of a matrix is a matrix.
9. T F Every matrix has a determinant.
10. Solve the matrix equation $AX=C$.