

NAME: _____ Score _____/10

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

1. A **matrix** 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 $AX=C$.

$$X=A^{-1}C$$