Matrix Operations and the Inverse of a Matrix

MATH 204: Linear Algebra
Prepare for class October 5, 2018 Name (Print): _____

After reading Section 2.1, work through the following ideas.

1. Suppose $A = \begin{bmatrix} 1 & -1 \\ -2 & 0 \end{bmatrix}$.

   (a) Compute A^2.

   (b) Compute A^3.

   (c) What is A^0? The answer is indeed in the text!

2. State Theorem 3.

3. (a) State the fact that is the generalization of Theorem 3(d).

   (b) Given the generalization above, what is $(ABCDE)^T$ equal to?