## Homework \#1

## Problem 1

Suppose $A$ and $B$ are two matrices, $A$ is $(n \times m)$ and $B$ is $(m \times l)$. Prove that

$$
(A B)^{T}=B^{T} A^{T}
$$

Problems from the textbook
Problems 1.1, 1.3, and 1.4, page 10.

