U容 Quiz: Sections 2.3 \& 2.4

Name: $\qquad$

Linear Algebra MATH 310 R. Hammack

September 22, 2016

Score: $\qquad$

Directions: Please answer in the space provided. No calculators. Please put all phones, etc., away.

1. Suppose $A, B$ and $X$ are invertible matrices, and $A X^{-1}=B$. Express $X$ in terms of $A$ and $B$.
2. Find the inverse of the matrix $A=\left[\begin{array}{lll}0 & 1 & 0 \\ 1 & 1 & 1 \\ 0 & 0 & 2\end{array}\right]$, if it exists, or verify that it does not exist.
