

Math 320 Linear Algebra Assignment # 2

1. Suppose that A is an $m \times n$ matrix, $c \in \mathbb{R}$ and $\vec{u} \in \mathbb{R}^n$, Show that:

$$A(c\vec{u}) = c(A\vec{u})$$

Hint: This is part of Theorem 5. We did the other part in class, use that as your guide.