

Additional Problems Assignment 14

1. Let A be an $n \times p$ and B be a $p \times m$ matrices. One of the following is **always** true: $\ker(B) \subseteq \ker(AB)$, $\ker(A) \subseteq \ker(AB)$, $\ker(AB) \subseteq \ker(B)$, and $\ker(AB) \subseteq \ker(A)$. Figure out which one and prove it.