Group_____ Scribe_____

Other group members_____

Group Quiz for Section 3.2

Let $\mathbf{w}_1, \ldots, \mathbf{w}_n \in \mathbb{F}^m$. Since $\mathbf{e}_1, \ldots, \mathbf{e}_n$ is a basis of $\mathbb{F}^n$, a theorem from the section says that there is a unique linear map $T : \mathbb{F}^n \to \mathbb{F}^m$ such that $T(\mathbf{e}_j) = \mathbf{w}_j$ for each j. What is the matrix of T?