

Group_____Scribe_____

Other group members_____

Group Quiz for Section 3.4

Suppose that $\mathbf{A} \in M_{m,n}(\mathbb{F})$ has rank 1. Show that $\mathbf{A} = \mathbf{v}\mathbf{w}^T$.

Hint: Think about a basis for $C(\mathbf{A})$.