

Exercise 1

What are the “orders” of the following quantities: $(\mathbf{v} \cdot \mathbf{w})$, $(\mathbf{v} - \mathbf{u})\mathbf{w}$, $(\mathbf{ab} : \mathbf{cd})$, $[\mathbf{v} \cdot \rho\mathbf{w}\mathbf{u}]$, $[[\mathbf{a} \times \mathbf{f}] \times [\mathbf{b} \times \mathbf{g}]]$?