

Homework 3 - Tensors

Q3.1. Draw diagrams illustrating

- (a) \vec{v} , $2\vec{v}$ and $-\vec{v}$
- (b) $\vec{\underline{v}}$, $2\vec{\underline{v}}$ and $-\vec{\underline{v}}$
- (c) $\underline{\omega}$, $2\underline{\omega}$ and $-\underline{\omega}$
- (d) $\underline{\underline{\omega}}$, $2\underline{\underline{\omega}}$ and $-\underline{\underline{\omega}}$

in two dimensions.

Q3.2. Draw diagrams illustrating

- (a) $\vec{v} \cdot \underline{\underline{\omega}}$
- (b) $\underline{\underline{\omega}} \cdot \vec{v}$
- (c) $\underline{\omega} \cdot \vec{\underline{v}}$
- (d) $\vec{\underline{v}} \cdot \underline{\omega}$

in two dimensions.