

VR - Review

Answer each question with the given vectors.

$$\vec{v} = \langle -1, -1 \rangle \quad \vec{u} = \langle 3, 4 \rangle \quad \vec{w} = \langle \sqrt{3}, -1 \rangle$$

$$\vec{r} = (2, 330^\circ) \quad \vec{s} = (3, 200^\circ) \quad \vec{t} = (1, 225^\circ)$$

1. Find $2\vec{v}$ 2. Find $-\vec{u}$ 3. Find $\vec{v} + \vec{u}$ 4. Find $2\vec{v} - 3\vec{u}$ 5. Convert \vec{v} to polar.6. Convert \vec{u} to polar.7. Convert \vec{w} to polar.8. Convert \vec{r} to components.9. Convert \vec{s} to components.10. Convert \vec{t} to components.