

V3 - Polar to Component (Special Right Triangles)

Given a vector in polar form, find the vector's component form.

1. $\vec{v} = (\sqrt{2}, 45^\circ)$

5. $\vec{w} = (8, 225^\circ)$

2. $\vec{b} = (\sqrt{2}, 315^\circ)$

6. $\vec{s} = (5, 240^\circ)$

3. $\vec{u} = (2, 120^\circ)$

7. $\vec{w} = (10, 30^\circ)$

4. $\vec{c} = (2, 330^\circ)$

8. $\vec{s} = (5, 180^\circ)$