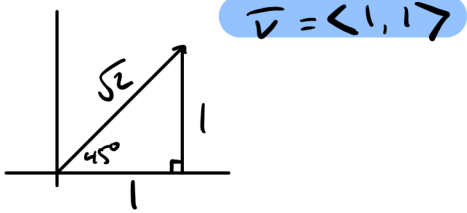


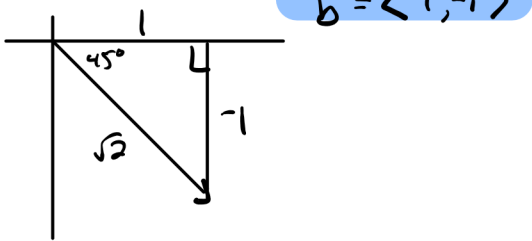
V3 - Polar to Component (Special Right Triangles)

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

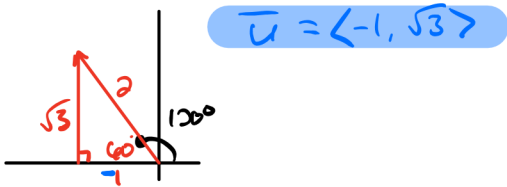
1. $\vec{v} = (\sqrt{2}, 45^\circ)$



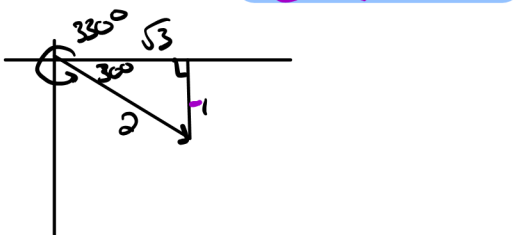
2. $\vec{b} = (\sqrt{2}, 315^\circ)$



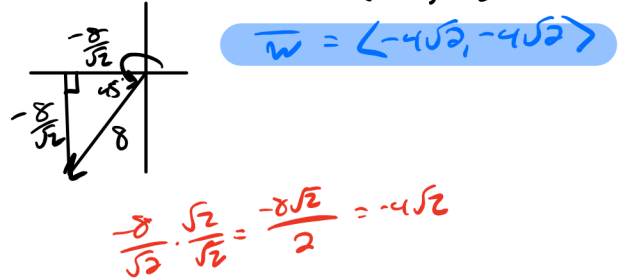
3. $\vec{u} = (2, 120^\circ)$



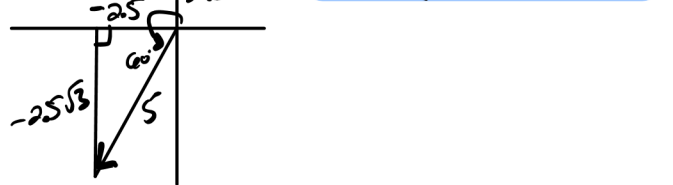
4. $\vec{c} = (2, 330^\circ)$



5. $\vec{w} = (8, 225^\circ)$ $\vec{w} = \langle -\frac{8}{\sqrt{2}}, -\frac{8}{\sqrt{2}} \rangle$



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



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



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

