

**V3 - Polar to Component (Special Right Triangles)**

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

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

3.  $\vec{w} = (1, 225^\circ)$

2.  $\vec{u} = (2, 150^\circ)$

4.  $\vec{s} = (9, 300^\circ)$