

Polar Form and Cartesian Form

A) Express the following vectors in polar form $\vec{v} = (r, \theta)$. (Round your answers to the nearest hundredth of the degree.)

1) $\langle -1, 1 \rangle$

2) $\langle 3, 4 \rangle$

3) $\langle -1, -9 \rangle$

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B) Express the following vectors in polar form $\vec{v} = (r, \theta)$. (Round your answers to the nearest hundredth of the degree.)

1) $(3\sqrt{7}, 330^\circ)$

Round your answers

3) $(4\sqrt{2}, 68.88^\circ)$

4) $(2\sqrt{2}, 135^\circ)$