

Name : _____

Polar Form and Cartesian Form

Sheet 1

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

1) $\langle 2, 7 \rangle$

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

3) $\langle 5, -1 \rangle$

B) Express the following vectors in Cartesian form to the nearest hundredth.

1) $(9, 96.32^\circ)$

3) $(\sqrt{37}, 189^\circ)$

4) $(5\sqrt{3}, 345.45^\circ)$

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Round your answers