

Trigonometry

Name: _____

The majority of the credit you receive will be based on the completeness and the clarity of your responses. **Show all of your work and justify your solutions as much as possible.**

This is a 15 minute quiz and has 2 questions, for a total of 10 points

(6 points) 1. Convert the polar equation $r = -4 \cos(\theta)$ to a Cartesian equation.

(5 points) 2. Given that $\vec{u} = \langle 3, 4 \rangle$ and $\vec{v} = \langle -2, 4 \rangle$, find $|-6\vec{v} - \vec{u}|$