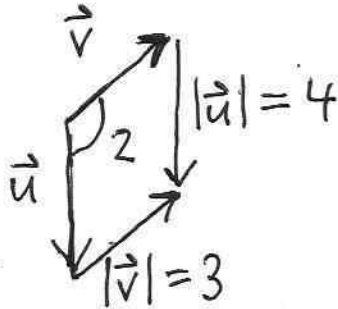


MATH 2415 Test 1 Name: _____

1. Given the figure below, sketch $\vec{u} + \vec{v}$ and compute $|\vec{u} + \vec{v}|$.



2. Find a vector \vec{a} perpendicular to $\langle 1, 9, 0 \rangle$ and $\langle 0, 8, 2 \rangle$. Then find a vector \vec{b} with magnitude 5 that is parallel to \vec{a} .