

QUIZ 1

Name _____

1. For the vectors $\vec{w} = \langle 1, 0, -2 \rangle$ and $\vec{v} = \langle 1, -2, 3 \rangle$ find $5\vec{v} + 3\vec{w}$.
2. Find a magnitude 8 vector in the direction $\vec{v} = \langle 3, 0, -4 \rangle$.
3. Use vectors and the Pythagorean Theorem to determine whether or not the points $(3, 1, -2)$, $(1, 0, 1)$ and $(4, 2, -1)$ form a right triangle.