

Quiz 1 (Problems)

1. Find the center and radius of the sphere given by $x^2 + y^2 + z^2 - 8x + 6z = 0$
2. Using $\mathbf{u} = \langle 8, 3, -5 \rangle$, $\mathbf{v} = \langle 4, -4, -2 \rangle$,
 - a. Find $3\mathbf{u} - 4\mathbf{v}$.
 - b. Find $\|\mathbf{u}\|$, $\|\mathbf{v}\|$.

Quiz 1 (Answers)

1. (Math-252 Quiz 1)

$$C(4, -3, 0), \rho = 5$$

2. (Math-252 Quiz 1)

a. $\langle 8, 25, -7 \rangle$.

b. $\|\mathbf{u}\| = 7\sqrt{2}, \|\mathbf{v}\| = 6$.