

## Math 2415

### Concept Quiz Questions on 12.1 and 12.2

1. Complete the following sentence: A vector is a quantity .....
2. Draw a sketch illustrating how to add two vectors
3. Write down an algebraic formula for  $\mathbf{v} + \mathbf{w}$  in terms of the components of  $\mathbf{v}$  and  $\mathbf{w}$ .
4. Write down the equation of the sphere with center  $(x_0, y_0, z_0)$  and radius  $R$ .