

Name \_\_\_\_\_

Date \_\_\_\_\_

Year Group \_\_\_\_\_

**Find the sum or difference of the following vectors**

$$\mathbf{q} = \langle 2, -3 \rangle \quad \mathbf{t} = \langle -2, 3 \rangle \quad \mathbf{u} = \langle 5, -4 \rangle$$

1.  $\mathbf{q} + \mathbf{t}$

Step =>  $\langle \_\_\_ + \_\_\_, \_\_\_ + \_\_\_ \rangle$

Answer =>  $\langle \_\_\_, \_\_\_ \rangle$

2.  $\mathbf{q} + \mathbf{q}$

Step =>  $\langle \_\_\_ + \_\_\_, \_\_\_ + \_\_\_ \rangle$

Answer =>  $\langle \_\_\_, \_\_\_ \rangle$

3.  $\mathbf{q} - \mathbf{u}$

Step =>  $\langle \_\_\_ - \_\_\_, \_\_\_ - \_\_\_ \rangle$

Answer =>  $\langle \_\_\_, \_\_\_ \rangle$

4.  $\mathbf{t} - \mathbf{t}$

Step =>  $\langle \_\_\_ - \_\_\_, \_\_\_ - \_\_\_ \rangle$

Answer =>  $\langle \_\_\_, \_\_\_ \rangle$