

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 => $\langle ______, ______ \rangle$