

Let $\mathbf{u} = \langle 1, -3 \rangle$, $\mathbf{v} = \langle 4, 7 \rangle$ and $\mathbf{w} = \langle -2, 5 \rangle$. Find the component form of the vector.

A) $\mathbf{u} + \mathbf{v}$

B) $\mathbf{v} - \mathbf{w}$

$$\mathbf{u} = \langle 1, -3 \rangle$$
$$\mathbf{v} = \langle 4, 7 \rangle$$
$$\mathbf{w} = \langle -2, 5 \rangle$$

$$2\mathbf{w} = \langle -4, 10 \rangle$$
$$3\mathbf{u} = \langle 3, -9 \rangle$$
$$2\mathbf{w} + 3\mathbf{u} = \langle -1, 1 \rangle$$



