Exercise **1** *Consider the vector $\vec{\mathbf{v}} = \langle 1, 2 \rangle$ and vector $\vec{\mathbf{w}}$ below:*
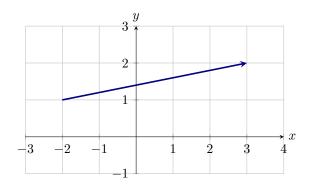

Compute $\vec{\mathbf{v}} - \vec{\mathbf{w}}$.

$$\vec{\mathbf{v}} - \vec{\mathbf{w}} = \left\langle \boxed{-4}, \boxed{1} \right\rangle$$