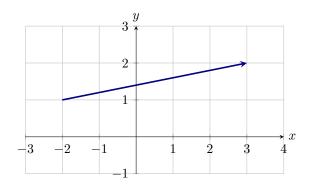**Exercise** **1** *Consider the vector* $\vec{\mathbf{v}} = \langle 1, 2 \rangle$ *and vector* $\vec{\mathbf{w}}$ *below:*

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

$$\vec{\mathbf{v}} + \vec{\mathbf{w}} = \left\langle \boxed{6}, \boxed{3} \right\rangle$$