Exercise 6

In Exercises 5 to 8, sketch the given vectors **v** *and* **w**. *On your sketch, draw in* $-\mathbf{v}$, $\mathbf{v} + \mathbf{w}$, *and* **v** − **w**.

$$\mathbf{v} = (0, 4) \text{ and } \mathbf{w} = (2, -1)$$

Solution

To add two vectors geometrically, form the parallelogram they make and draw the bisecting diagonal.