Suppose that $\mathbf{v} = \langle 2, 1 \rangle$ and $\mathbf{w} = \langle 1, 4 \rangle$.

1. Sketch the vectors $\mathbf{v}$ and $\mathbf{w}$. Label both vectors.

2. Sketch the parallelogram that has $\mathbf{v}$ and $\mathbf{w}$ as two of its sides.

3. Sketch the position vector for $\mathbf{v} + \mathbf{w}$.

4. Sketch the vector $-\mathbf{v}$.

5. Use the parallelogram method to compute $-\mathbf{v} + \mathbf{w}$. 

\[ y \]

\[ x \]