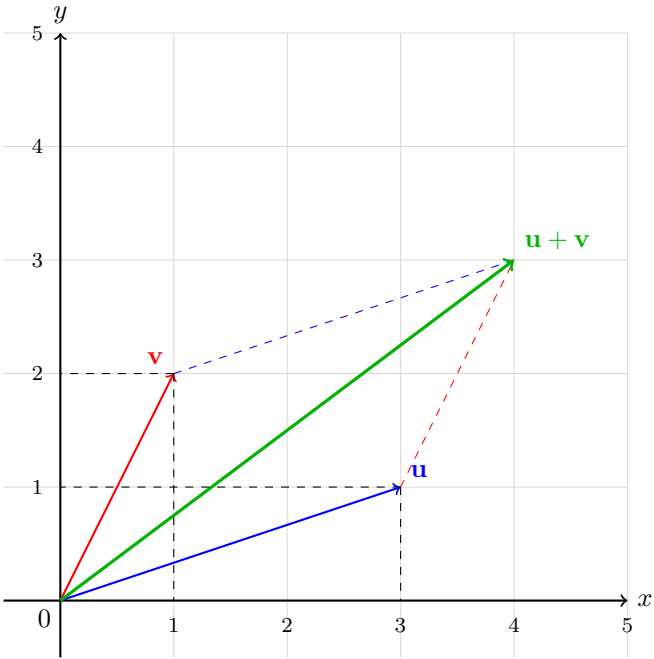

We use Euclidean norm: $\|\mathbf{x}\| = \sqrt{x_1^2 + x_2^2}$

$\|\mathbf{u}\| = \sqrt{10} \approx 3.16$

$\|\mathbf{v}\| = \sqrt{5} \approx 2.24$

$\|\mathbf{u} + \mathbf{v}\| = 5$

Triangle inequality:

$5 = \|\mathbf{u} + \mathbf{v}\| \leq \|\mathbf{u}\| + \|\mathbf{v}\| \approx 3.16 + 2.24 = 5.4$