



## PLANE NORM

### Why

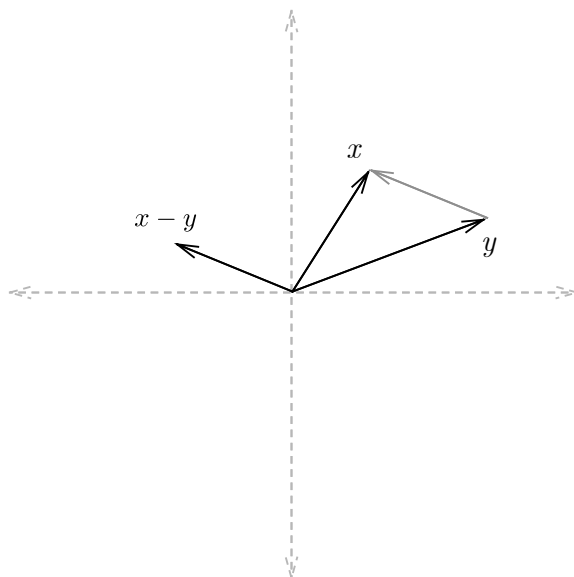
We want to talk about the size of a displacement.<sup>1</sup>

### Definition

The *norm* of a vector  $x \in \mathbf{R}^2$  is

$$\|x\| = \sqrt{x_1^2 + x_2^2}.$$

### Visualization



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<sup>1</sup>Future editions will complete.



