

The Magnitude of Vectors in $a\mathbf{i} + b\mathbf{j}$ Form

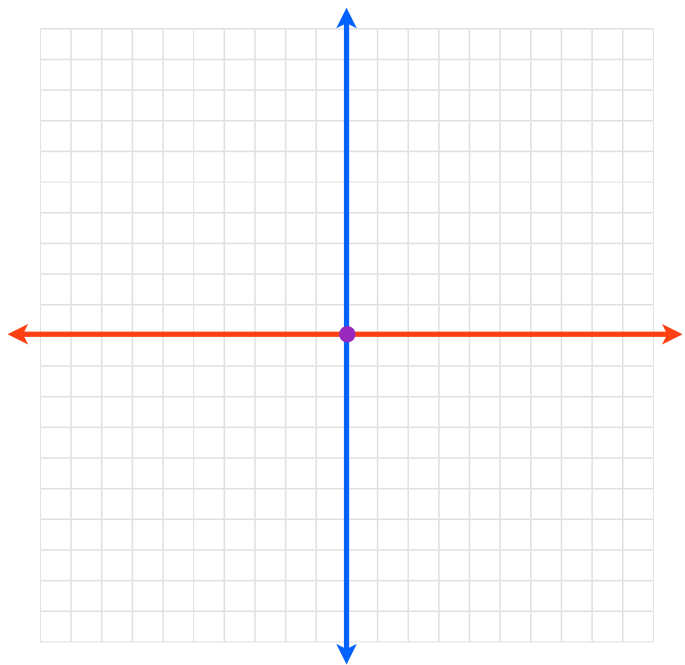
Name _____

Date _____ Period _____

Given $\mathbf{v} = a\mathbf{i} + b\mathbf{j}$, then...

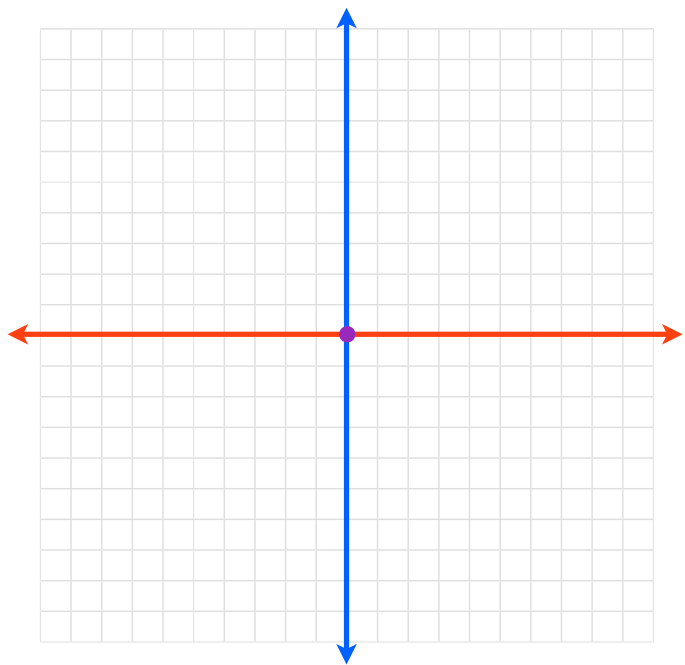
$$\|\mathbf{v}\| = \sqrt{a^2 + b^2}$$

$$\mathbf{v} = 3\mathbf{i} + 4\mathbf{j}$$

Given $\mathbf{v} = a\mathbf{i} + b\mathbf{j}$, then...

$$\|\mathbf{v}\| = \sqrt{a^2 + b^2}$$

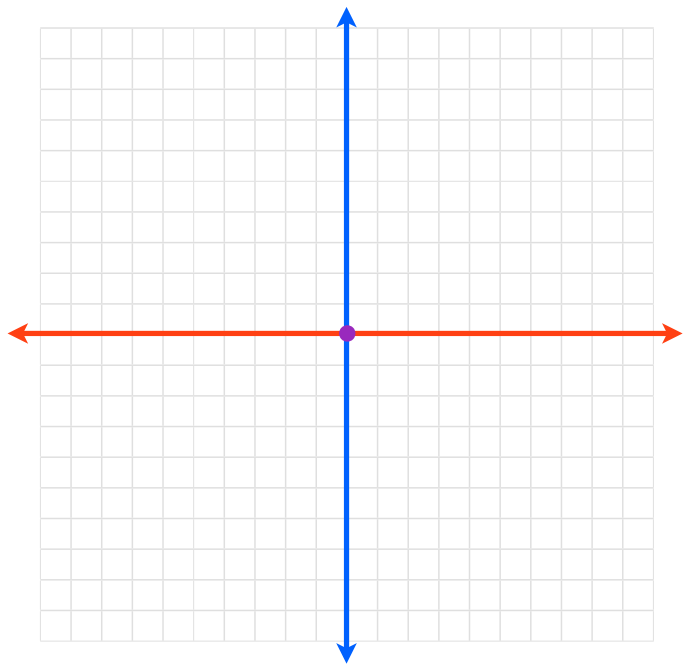
$$\mathbf{v} = -8\mathbf{i} - 2\mathbf{j}$$



Given $\mathbf{v} = a\mathbf{i} + b\mathbf{j}$, then...

$$\|\mathbf{v}\| = \sqrt{a^2 + b^2}$$

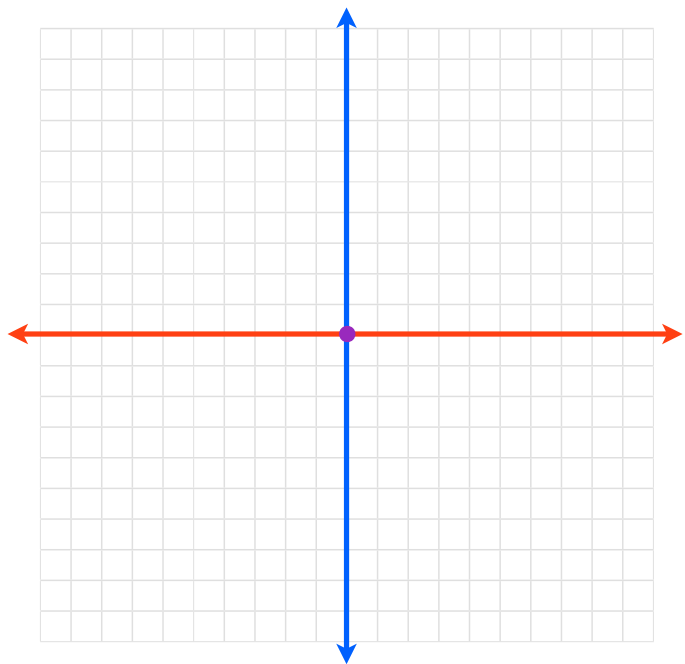
$$\mathbf{v} = 3\mathbf{i} - 6\mathbf{j}$$



Given $\mathbf{v} = a\mathbf{i} + b\mathbf{j}$, then...

$$\|\mathbf{v}\| = \sqrt{a^2 + b^2}$$

$$\mathbf{v} = -6\mathbf{i} + 8\mathbf{j}$$



Given $\mathbf{v} = a\mathbf{i} + b\mathbf{j}$, then...

$$\|\mathbf{v}\| = \sqrt{a^2 + b^2}$$

