



Represent vectors using Cartesian components

1 Right 4, Up 1

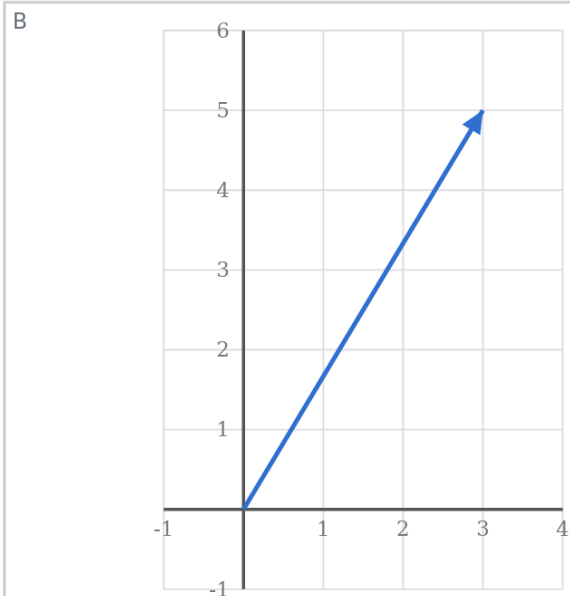
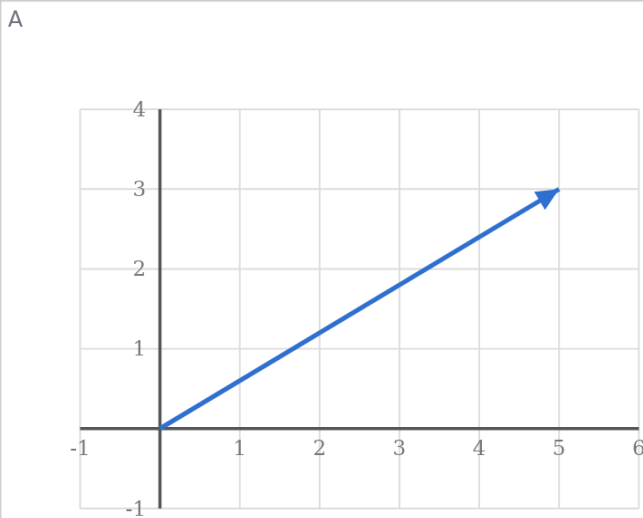
A (1,4)	B (4,-1)
C (4,1)	D (-1,4)
E (4,2)	F (1,-4)

2 (1,-2)

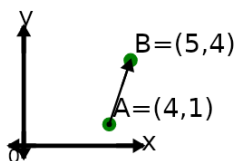
A Left 2, Down 1	B Down 2
C Right 1, Down 2	D Right 2, Up 1
E Right 1, Down 1	F Right 1, Down 3

3 Choose the grid that shows this vector with its base at the origin.

$$\vec{v} = [3, 5]$$

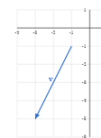


4 Find the (x,y) change to go from point A to point B on the diagram



A (1,3)	B (-3,1)	C (3,1)
D (1,-3)	E (2,3)	F (3,-1)

5 Write the vector shown on the grid in row matrix form.



A [2, -4]	B [-4, -2]
C [-2, 4]	D [-2, -4]

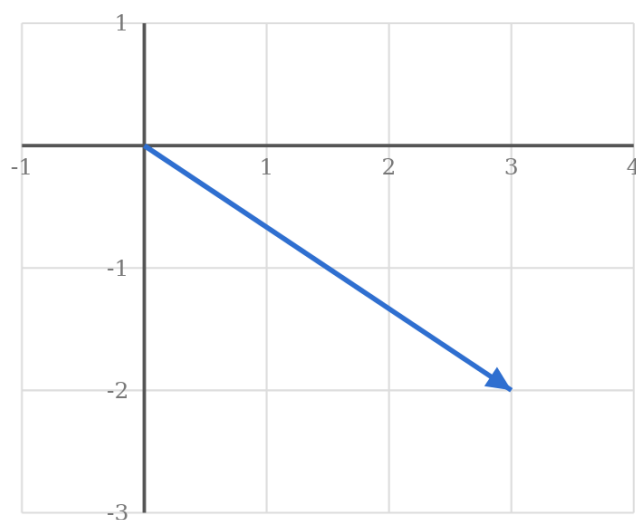


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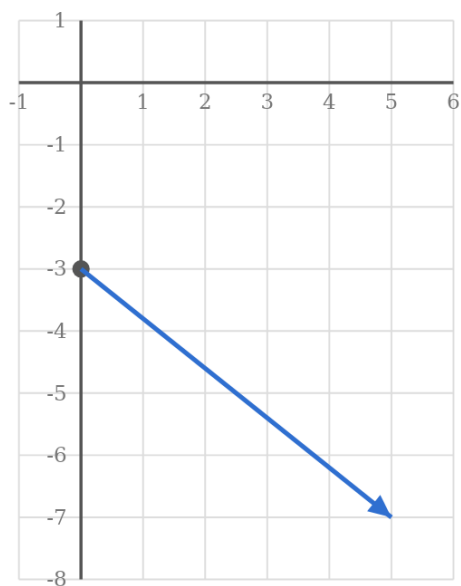
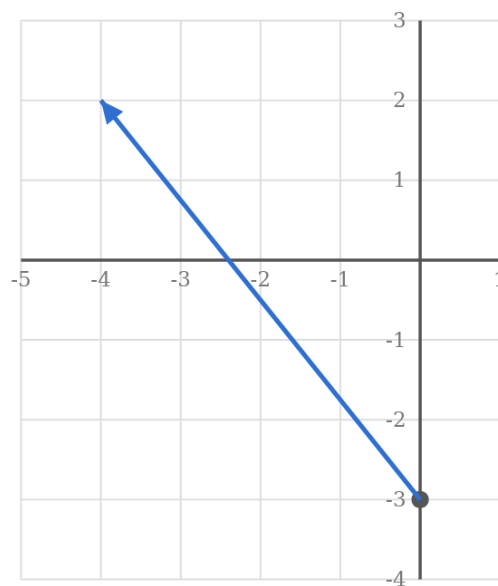
Choose the grid that shows this vector with its base at the origin.

$$\vec{v} = \begin{bmatrix} 3 \\ -2 \end{bmatrix}$$

A**B****7**

Choose the grid that shows this vector with its base at the marked point.

$$\vec{v} = [5, -4]$$

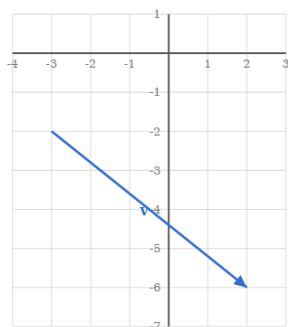
A**B**



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Write the vector shown on the grid in column matrix form.



A

$$\begin{bmatrix} 5 \\ -4 \end{bmatrix}$$

B

$$\begin{bmatrix} 6 \\ -5 \end{bmatrix}$$

C

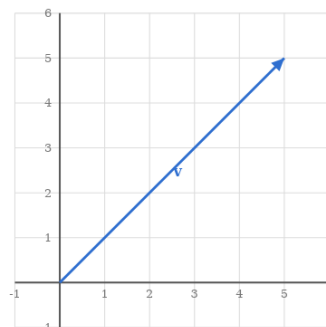
$$\begin{bmatrix} -4 \\ 5 \end{bmatrix}$$

D

$$\begin{bmatrix} -5 \\ 4 \end{bmatrix}$$

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Write the vector shown on the grid in column matrix form.



A

$$\begin{bmatrix} 5 \\ -5 \end{bmatrix}$$

B

$$\begin{bmatrix} -5 \\ -5 \end{bmatrix}$$

C

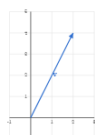
$$\begin{bmatrix} -5 \\ 5 \end{bmatrix}$$

D

$$\begin{bmatrix} 5 \\ 5 \end{bmatrix}$$

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Write the vector shown on the grid in row matrix form.



A

$$[-2, 4]$$

B

$$[2, 4]$$

C

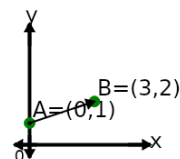
$$[4, 2]$$

D

$$[2, -4]$$

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Find the (x,y) change to go from point A to point B on the diagram



A (3, -1)

B (3, 1)

C (3, 2)

D (4, 1)

E (1, -3)

F (2, 1)