



New Maths GCSE: G7 - What does this vector do?

Name:

Date:

What movement does the following vector represent?

$$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$$

A) 5 up
3 right

B) 5 left
3 down

C) 5 down
3 right

D) 5 right
3 up

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} 2 \\ 1 \end{pmatrix}$$

A) 2 left
1 up

B) 2 right
1 up

C) 2 up
1 right

D) 2 up
1 left

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} 0 \\ 7 \end{pmatrix}$$

A) 0 across
7 up

B) 0 down
7 right

C) 0 up
7 right

D) 0 across
7 left

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} -1 \\ 4 \end{pmatrix}$$

A) 1 down
4 right

B) 1 right
4 up

C) 1 down
4 left

D) 1 left
4 up

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

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

A) 6 left
5 down

B) 6 up
5 left

C) 6 right
5 down

D) 6 down
5 right

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} 7 \\ -1 \end{pmatrix}$$

A) 7 right
1 up

B) 7 up
1 left

C) 7 left
1 up

D) 7 right
1 down

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} -2 \\ -9 \end{pmatrix}$$

A) 2 left
9 down

B) 2 right
9 down

C) 2 left
9 up

D) 2 right
9 up

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} 0 \\ -3 \end{pmatrix}$$

A) 3 up B) 3 down

C) 3 right D) 3 left

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Correct Answer: A B C D

Explanation:

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What movement does the following vector represent?

$$\begin{pmatrix} x \\ -x \end{pmatrix}$$

A) However much you move left, move the same amount down B) However much you move right, move the same amount up

C) However much you move right, move the same amount down D) Don't move

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Correct Answer: A B C D

Explanation:

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What single translation is the same as $\begin{pmatrix} 5 \\ -2 \end{pmatrix}$ followed by $\begin{pmatrix} 3 \\ 6 \end{pmatrix}$

A) $\begin{pmatrix} 8 \\ 8 \end{pmatrix}$ B) $\begin{pmatrix} 2 \\ 4 \end{pmatrix}$

C) $\begin{pmatrix} 8 \\ 4 \end{pmatrix}$ D) $\begin{pmatrix} 8 \\ -8 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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