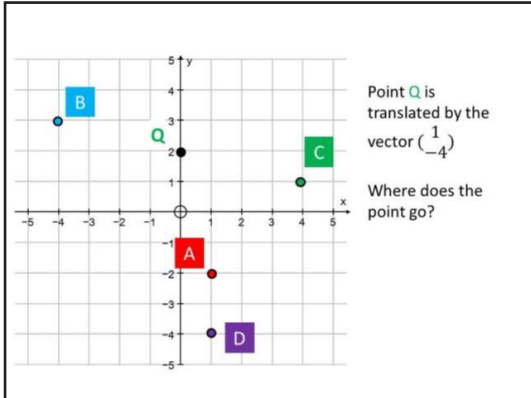




New Maths GCSE: G7 - Translations

Name:

Date:



Correct Answer: A B C D

Explanation:

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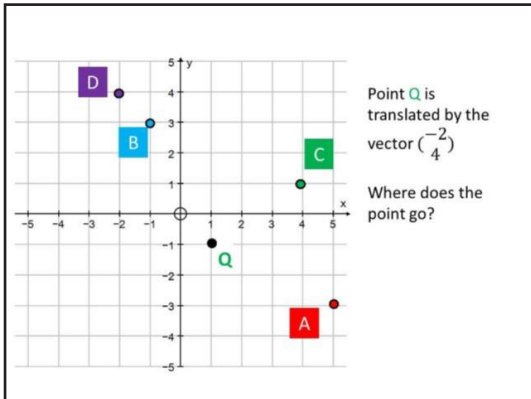
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Correct Answer: A B C D

Explanation:

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The point Q (4, -5) has been translated from P (2, -3).
What is the translation as a vector?

(A) $\begin{pmatrix} -2 \\ 2 \end{pmatrix}$

(B) $\begin{pmatrix} 2 \\ 2 \end{pmatrix}$

(C) $\begin{pmatrix} -2 \\ -2 \end{pmatrix}$

(D) $\begin{pmatrix} 2 \\ -2 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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The point Q (3, -1) has been translated from P by the vector $\begin{pmatrix} 4 \\ -3 \end{pmatrix}$.

What are the coordinates of the point P?

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

Correct Answer: A B C D

Explanation:

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The point P(2, -3) is translated by a vector $\begin{pmatrix} -3 \\ 4 \end{pmatrix}$. The coordinates of the image of P are

(A) (-1, 1)
 (B) (1, 1)
 (C) (5, 7)
 (D) (6, -6)

Correct Answer: A B C D

Explanation:

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Describe fully the single transformation that will map shape P onto shape Q

What should go in the shaded box?

A) Translation $\begin{pmatrix} -3 \\ -1 \end{pmatrix}$ **B)** Translation $\begin{pmatrix} 1 \\ 6 \end{pmatrix}$
C) Translation $\begin{pmatrix} 6 \\ 1 \end{pmatrix}$ **D)** Translation $\begin{pmatrix} -6 \\ -1 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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What vector means 3 up and 2 left?

A) $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$ **B)** $\begin{pmatrix} -2 \\ 3 \end{pmatrix}$
C) $\begin{pmatrix} -3 \\ 2 \end{pmatrix}$ **D)** $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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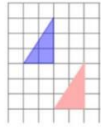
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What vector describes the translation from the pink to the blue shape?



a. $\begin{pmatrix} 2 \\ -3 \end{pmatrix}$

b. $\begin{pmatrix} -2 \\ 3 \end{pmatrix}$

c. $\begin{pmatrix} 3 \\ -2 \end{pmatrix}$

d. $\begin{pmatrix} 3 \\ 2 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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