New Maths GCSE: G7 & G24 - Describing Translations using Vectors

Name:... Date:..

What vector describes the translation from shape **P** to shape **R**?

A) $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$

B) $\begin{pmatrix} -5 \\ 0 \end{pmatrix}$

C) $\begin{pmatrix} 0 \\ -5 \end{pmatrix}$

D) $\begin{pmatrix} 0 \\ 5 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape **R** to shape **P**?

A) $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$

B) $\begin{pmatrix} -5 \\ 0 \end{pmatrix}$

C) $\begin{pmatrix} 0 \\ -5 \end{pmatrix}$

D) $\begin{pmatrix} 0 \\ 5 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape **P** to shape **Q**?

A) $\begin{pmatrix} 3 \\ 2 \end{pmatrix}$

B) $\begin{pmatrix} 3 \\ 4 \end{pmatrix}$

C) $\begin{pmatrix} 4 \\ 3 \end{pmatrix}$

D) $\begin{pmatrix} -3 \\ -4 \end{pmatrix}$

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape P to shape S?

A) $\begin{pmatrix} 3 \\ -4 \end{pmatrix}$

B) $\begin{pmatrix} 4 \\ -5 \end{pmatrix}$

C) $\begin{pmatrix} -4 \\ 3 \end{pmatrix}$

D) $\begin{pmatrix} 3 \\ 4 \end{pmatrix}$

Designed using: Autograph

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape T to shape U?

A) $\begin{pmatrix} 0 \\ 5 \end{pmatrix}$

B) $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$

C) $\begin{pmatrix} -5 \\ 0 \end{pmatrix}$

D) $\begin{pmatrix} 0 \\ -5 \end{pmatrix}$

Designed using: Autograph

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape U to shape T?

A) $\begin{pmatrix} 0 \\ 5 \end{pmatrix}$

B) $\begin{pmatrix} 5 \\ 0 \end{pmatrix}$

C) $\begin{pmatrix} 0 \\ 3 \end{pmatrix}$

D) $\begin{pmatrix} 3 \\ 0 \end{pmatrix}$

Designed using: Autograph

Correct Answer: A B C D

Explanation:

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What vector describes the translation from shape S to shape U?

A) $\begin{pmatrix} 1 \\ 8 \end{pmatrix}$

B) $\begin{pmatrix} 8 \\ 1 \end{pmatrix}$

C) $\begin{pmatrix} -1 \\ -8 \end{pmatrix}$

D) $\begin{pmatrix} -8 \\ -1 \end{pmatrix}$

Designed using: Autograph

Correct Answer: A B C D

Explanation:

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Question 1

What vector describes the translation from shape **P** to shape **U**?

A) $\begin{pmatrix} 5 \\ 5 \end{pmatrix}$

B) $\begin{pmatrix} -5 \\ 5 \end{pmatrix}$

C) $\begin{pmatrix} 5 \\ -5 \end{pmatrix}$

D) $\begin{pmatrix} -5 \\ -5 \end{pmatrix}$

Designed using: **Autograph**

Correct Answer: A B C D

Explanation:

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Question 2

What vector describes the translation from shape **T** to shape **S**?

A) $\begin{pmatrix} 1 \\ 3 \end{pmatrix}$

B) $\begin{pmatrix} -1 \\ 3 \end{pmatrix}$

C) $\begin{pmatrix} 3 \\ 1 \end{pmatrix}$

D) $\begin{pmatrix} -3 \\ -1 \end{pmatrix}$

Designed using: **Autograph**

Correct Answer: A B C D

Explanation:

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Question 3

What vector describes the translation from shape **S** to shape **P**?

A) $\begin{pmatrix} -3 \\ 4 \end{pmatrix}$

B) $\begin{pmatrix} 4 \\ -3 \end{pmatrix}$

C) $\begin{pmatrix} -4 \\ 3 \end{pmatrix}$

D) $\begin{pmatrix} 3 \\ -4 \end{pmatrix}$

Designed using: **Autograph**

Correct Answer: A B C D

Explanation:

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