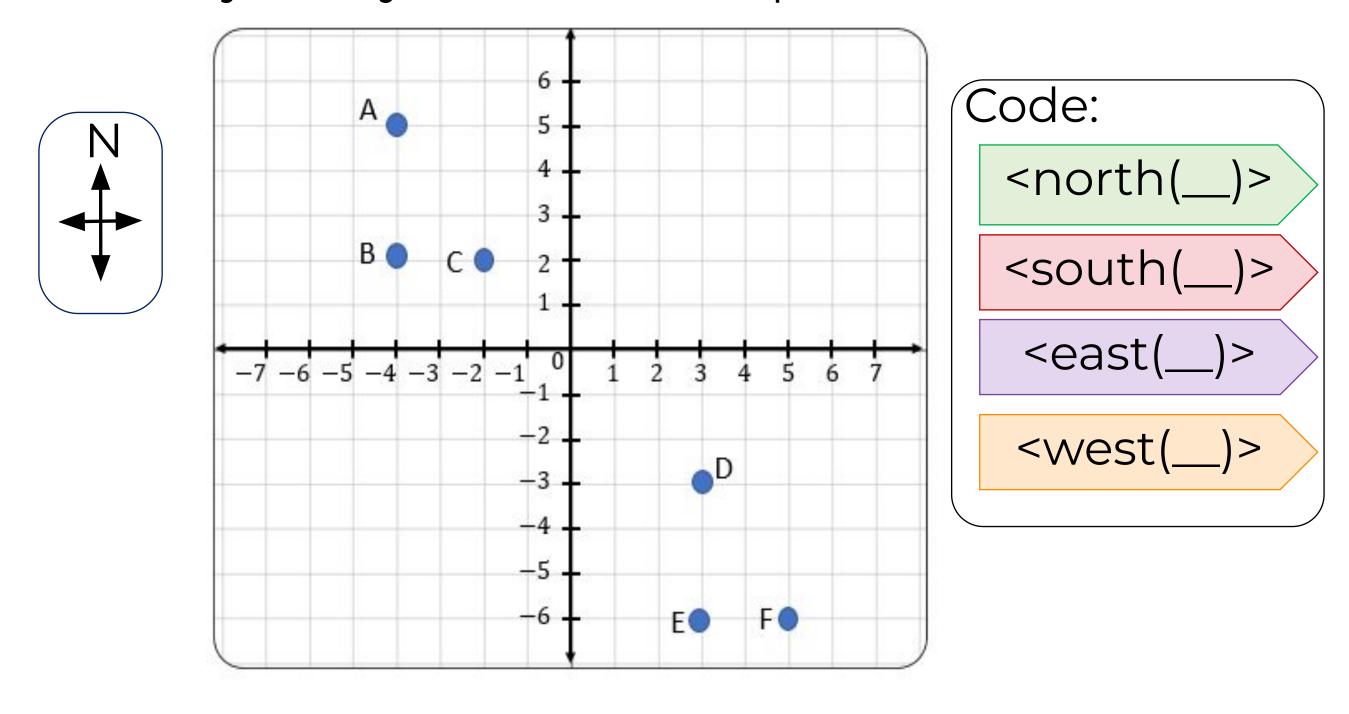
Mathematics

Transformations: Translations Worksheet



Try this

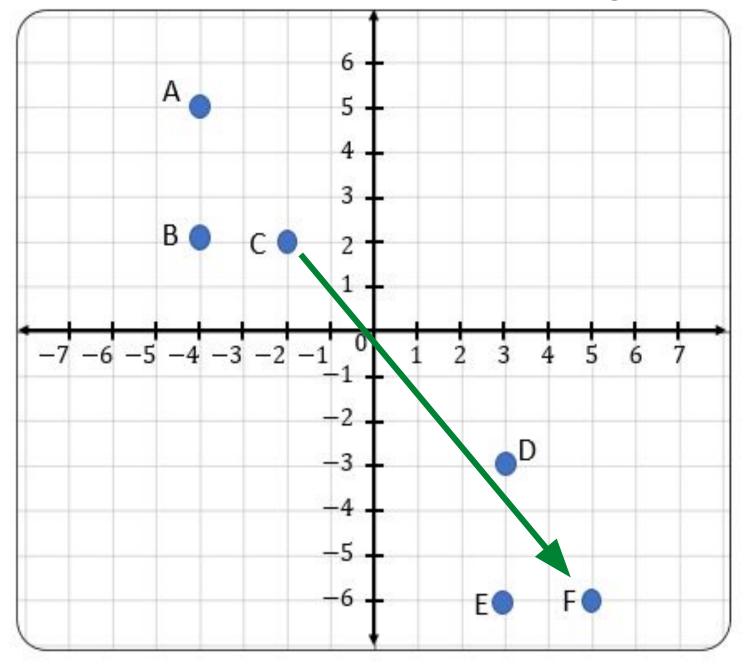
Find the co-ordinates of the points then use the code to describe journeys between two points:





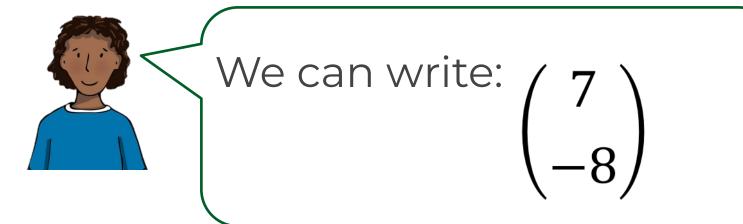
Connect

The students are describing the transformation of C to F.



C moves 7 squares to the right and 8 squares down.





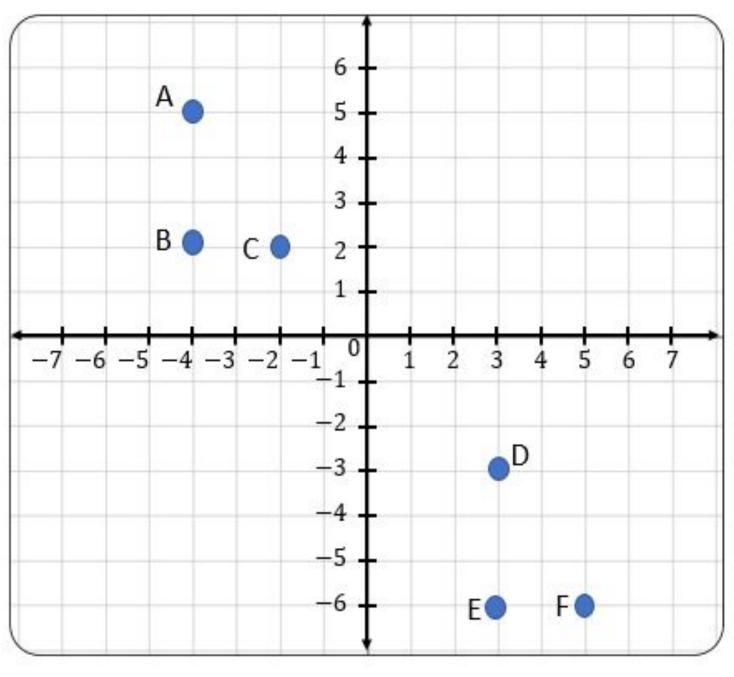
What other translations can be described with this vector?



Connect

 $\begin{array}{c} C \text{ to F} \\ -8 \end{array}$

Write a vector that can describe the translations:



F to C

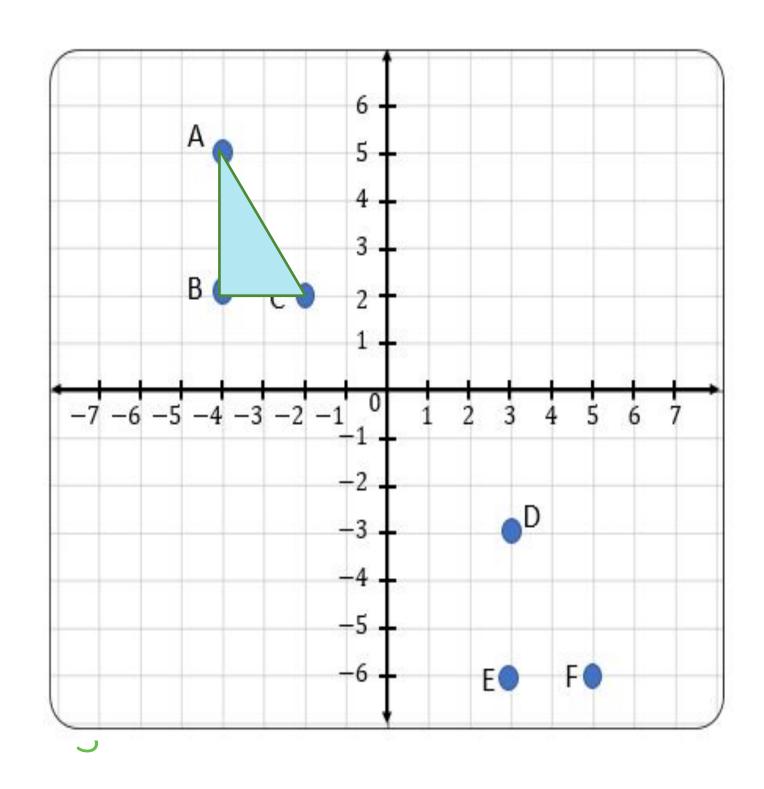
D to B

B to C

A to B



Connect



The object Triangle ABC is translated: (-2)

What are the coordinates of the image?

The object Triangle DEF is translated: (5)

What are the coordinates of the image?



Independent task(page 1)

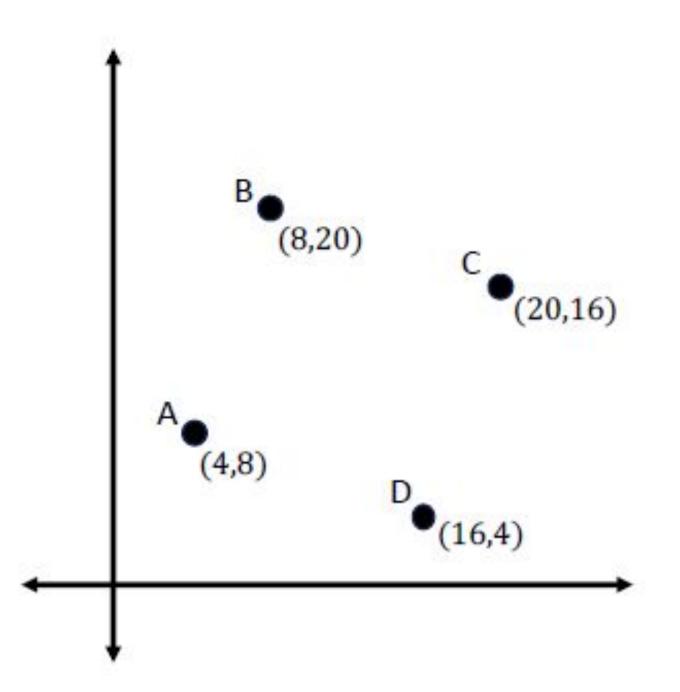
Describe using vectors the journey between the following points:



b) C to B

c) A to D

d) B to D

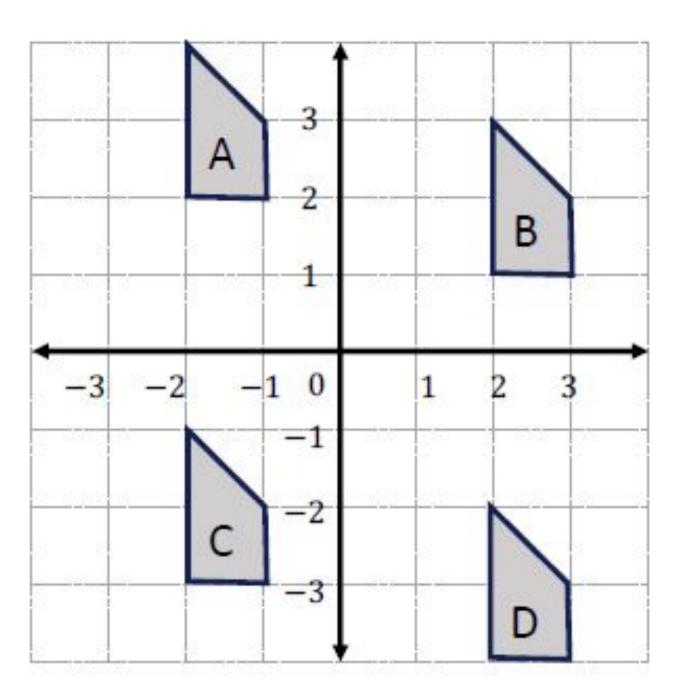




Independent task (page 2)

Describe the transformation in each case:

- a) A to B
- b) B to D
- c) A to D
- d) B to C





Explore

What vectors can be used to describe the translations between the shapes in the tessellation pattern below?

