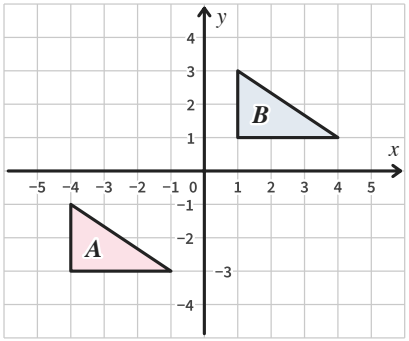
Mixed transformations: describing fully

1

Describe fully the single transformation that maps shape A onto shape B.



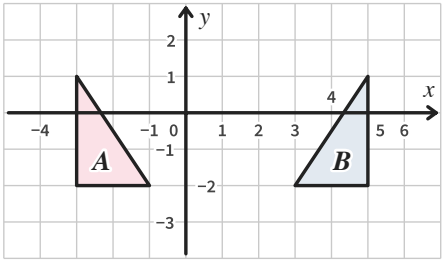
it is a: translation

across, then up or down:

Translation by _____

2

Describe fully the single transformation that maps shape A onto shape B.



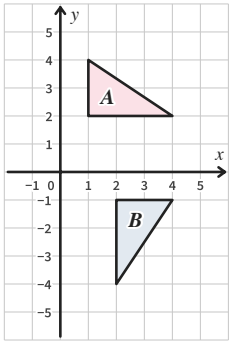
it is a: reflection

halfway between −1 and 3:

Reflection in the line _____

3

Describe fully the single transformation that maps shape A onto shape B.



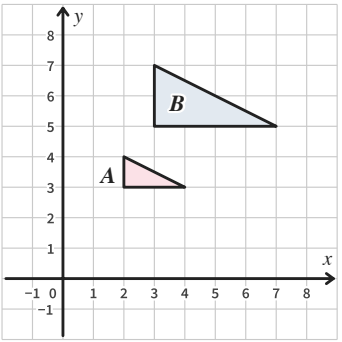
it is a:

angle and direction:

centre:

4

Describe fully the single transformation that maps shape A onto shape B.



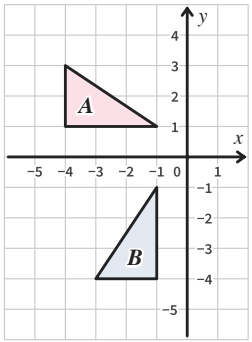
it is an:

scale factor:

centre:

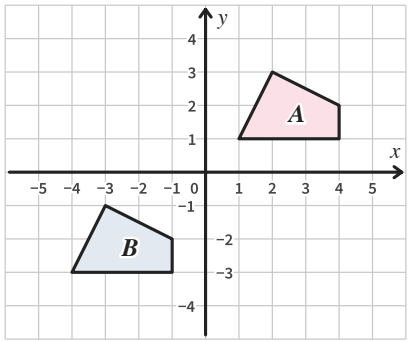
5

Describe fully the single transformation that maps shape A onto shape B.



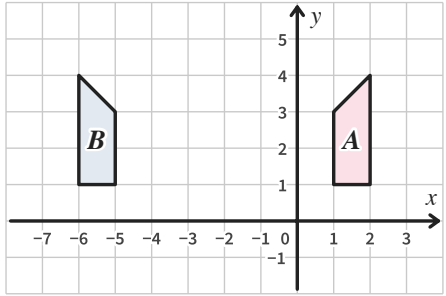
6

Describe fully the single transformation that maps shape A onto shape B.



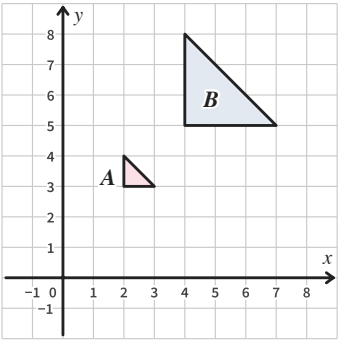
7

Describe fully the single transformation that maps shape A onto shape B.



8

Ella wrote "Enlargement, scale factor 3". What is missing? Describe it fully.

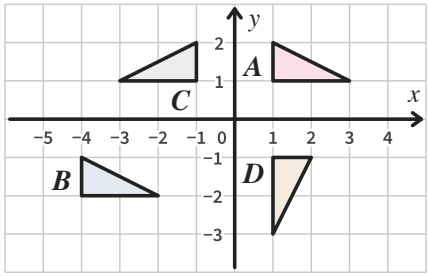


missing:

Mixed transformations: describing fully *further practice*

9

Shape A is mapped onto B, C and D. Which is a translation, which a reflection and which a rotation?



Answer _____

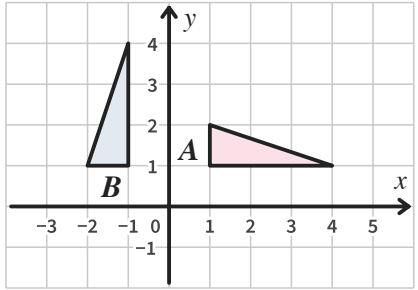
10

Shape A is reflected to give shape B. The corner (−5, 2) of A goes to the corner (3, 2) of B. Write down the equation of the mirror line.

Answer _____

11

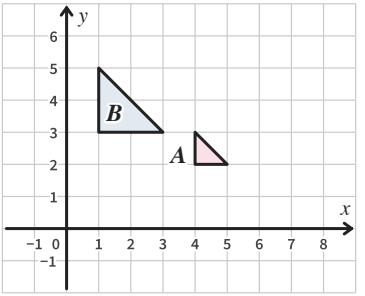
A is rotated onto B. Describe fully the single transformation that maps B back onto A.



Answer _____

12

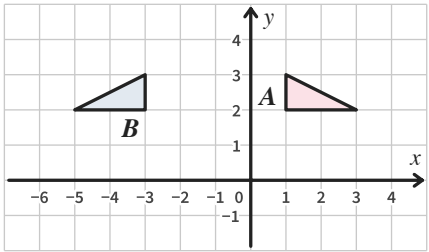
Describe fully the single transformation that maps A onto B.



Answer _____

13

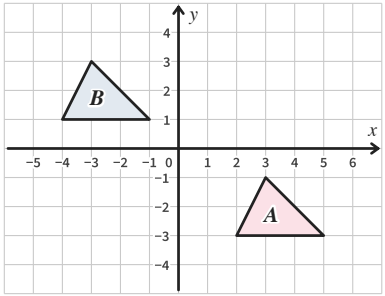
Lola says shape B is a rotation of shape A. Is Lola right? Explain.



Answer _____

14

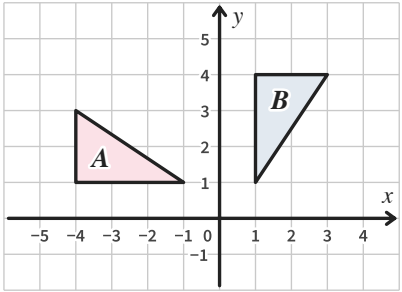
A game sprite moves from A to B. Describe fully the transformation.



Answer _____

15

Kai wrote "Rotation, 90°, about (0, 0)". What is missing? Describe it fully.



Answer _____

16

Shape A is enlarged to give shape B. A side of A is 3 cm long, and the matching side of B is 12 cm long. Raj says the scale factor is 9. Is Raj right? Explain.

Answer _____