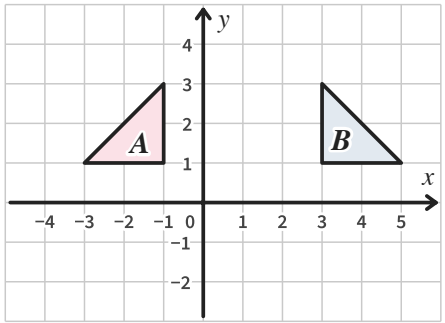
Describing reflections

1

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



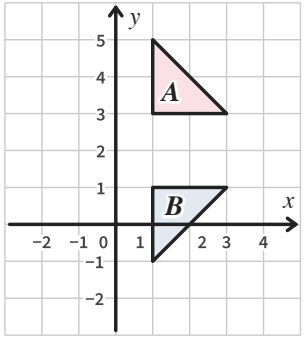
halfway: between −1 and 3 is 1

the line is vertical

Reflection in the line _____

2

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



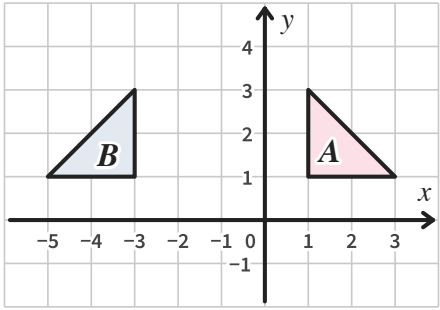
halfway: between 5 and −1 is 2

the line is

Reflection in the line _____

3

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



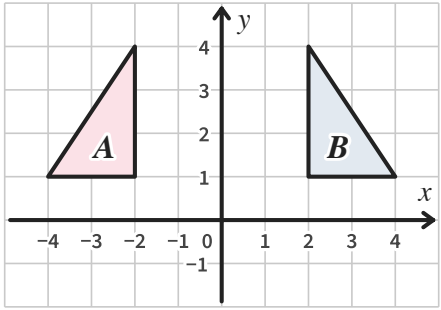
halfway:

the line is

Reflection in the line _____

4

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

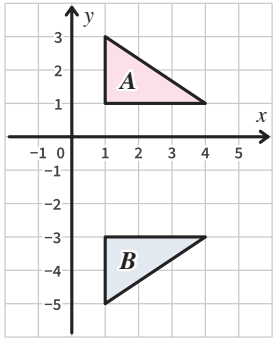


halfway:

Reflection in the line _____

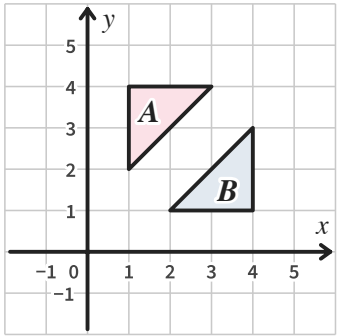
5

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



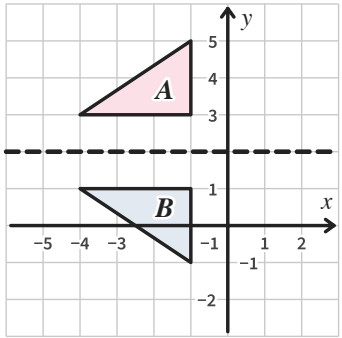
6

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



7

Sam says this is a reflection in the line $x = 2$. Explain Sam's mistake.

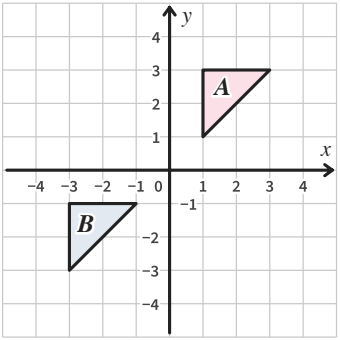


mistake:

so it is:

8

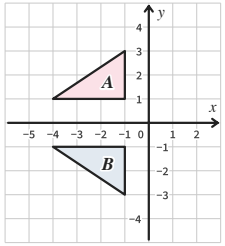
Describe fully the single transformation that maps shape A onto shape B.



Describing reflections *further practice*

9

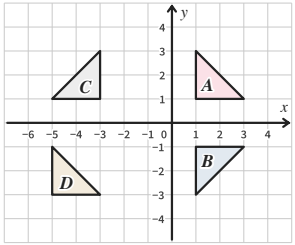
Describe fully the single transformation that maps shape A onto shape B.



Answer _____

10

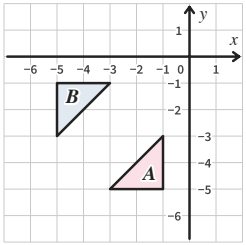
Which shape is the reflection of shape A in the line $x = -1$?



Answer _____

11

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



Answer _____

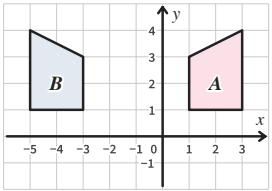
12

The point (−3, 2) is reflected onto the point (5, 2). Write down the equation of the mirror line.

Answer _____

13

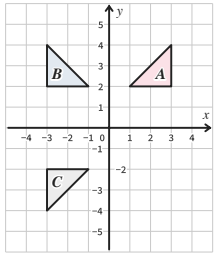
Flower bed A is reflected in the middle of a straight path to give bed B.
Find the equation of the line along the middle of the path.



Answer _____

14

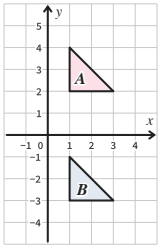
Describe fully the reflection that maps A onto B, and the one that maps B onto C.



Answer _____

15

Leo says shape B is a reflection of shape A in the x axis.
Is he right? Explain.



Answer _____

16

Shape A is reflected in the y axis to give shape B. Mia says B's corner (−3, 4) came from A's corner (3, −4).
Is Mia right? Explain.

Answer _____