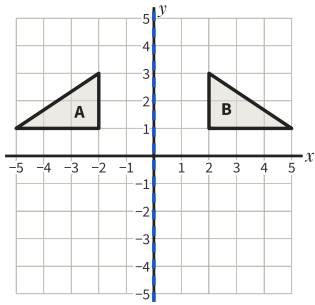


Describing Reflections

ANSWERS

1

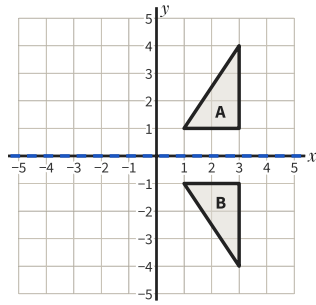
Describe fully the single transformation that maps A onto B.



Reflection in the y -axis

2

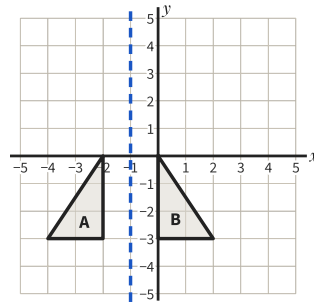
Describe fully the single transformation that maps A onto B.



Reflection in the x -axis

3

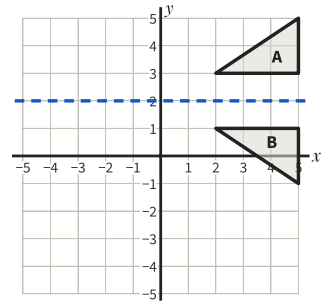
Describe fully the single transformation that maps A onto B.



Reflection in the line $x = -1$

4

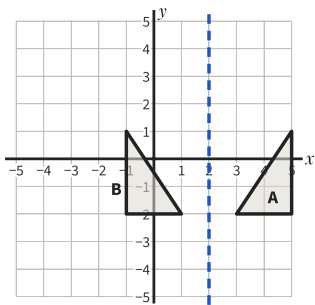
Describe fully the single transformation that maps A onto B.



Reflection in the line $y = 2$

5

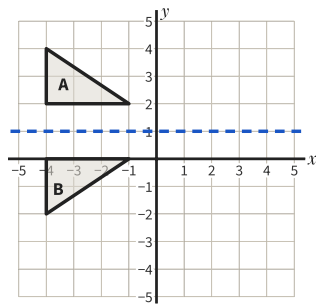
Describe fully the single transformation that maps A onto B.



Reflection in the line $x = 2$

6

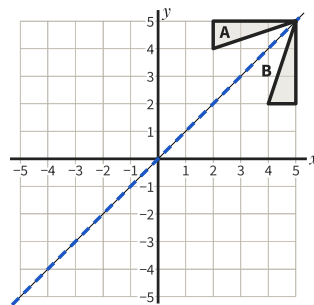
Describe fully the single transformation that maps A onto B.



Reflection in the line $y = 1$

7

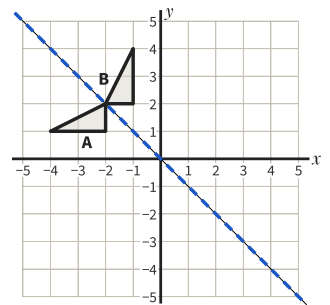
Describe fully the single transformation that maps A onto B.



Reflection in the line $y = x$

8

Describe fully the single transformation that maps A onto B.



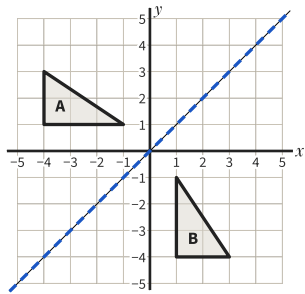
Reflection in the line $y = -x$

Describing Reflections further practice

ANSWERS

9

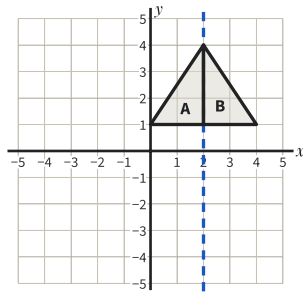
Describe fully the single transformation that maps A onto B.



Reflection in the line $y = x$

10

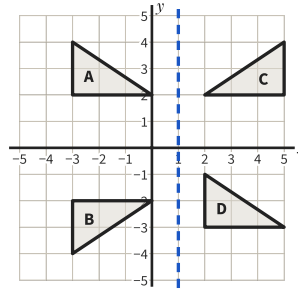
Describe fully the single transformation that maps A onto B.



Reflection in the line $x = 2$

11

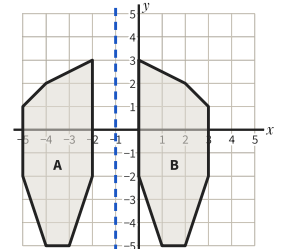
Which shape is the reflection of A in the line $x = 1$?



Answer C

12

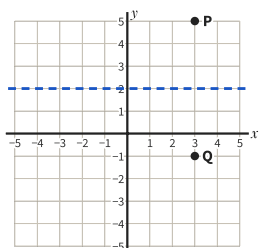
Ella stands still on wet sand. Her footprints are A and B. Describe fully the single transformation that maps A onto B.



Reflection in the line $x = -1$

13

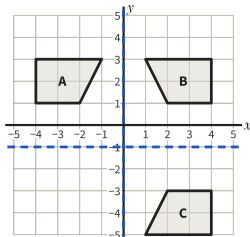
Ravi stands a flat mirror upright along a straight line on this grid. The reflection of point P is at point Q. Write the equation of the line.



Answer $y = 2$

14

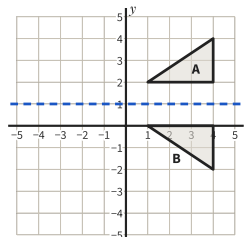
A tile pattern is made by reflecting tile A to give tile B, then reflecting tile B to give tile C. Describe fully each reflection.



A to B: reflection in the y -axis
B to C: reflection in the line $y = -1$

15

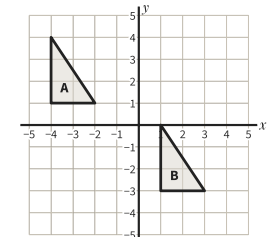
Jay says this is a reflection in the line $x = 1$. Explain Jay's mistake and give the right answer.



the mirror line is horizontal, not vertical
Reflection in the line $y = 1$

16

Lucy says that the transformation that maps A onto B is a reflection. Is Lucy right? Explain.



No: B is the same way round as A
so it is a translation, not a flip