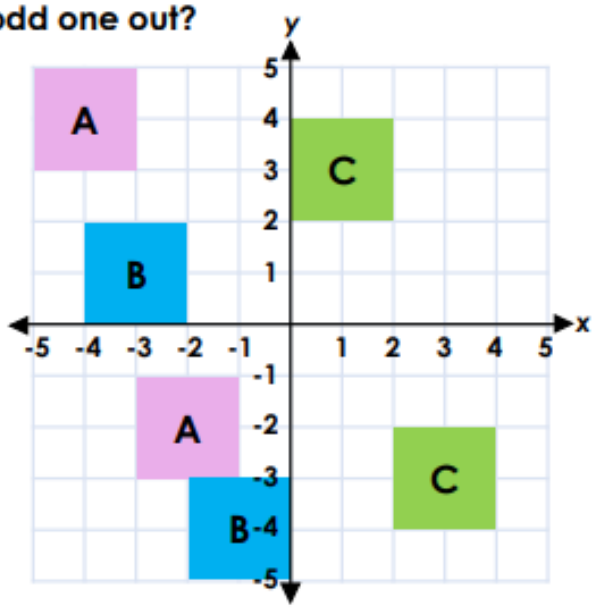
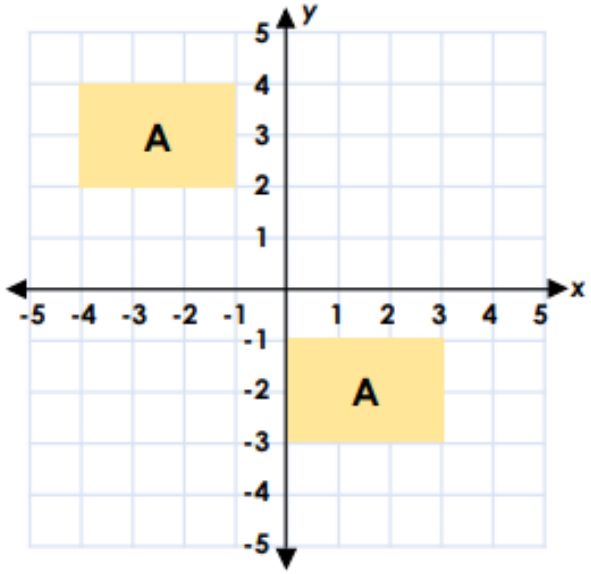
Translations

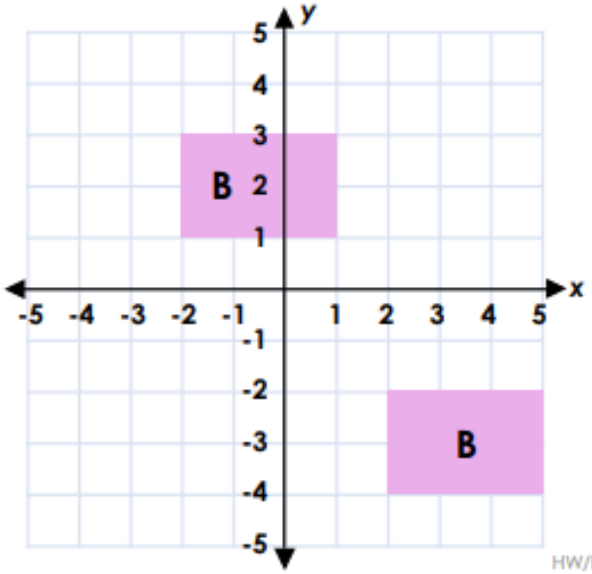
4. Which translation is the odd one out?



VF
HW/Ext

5. True or false? Shapes A and B have been translated using the same instructions.





VF
HW/Ext

6. Chris and Alana have been shown a translation.

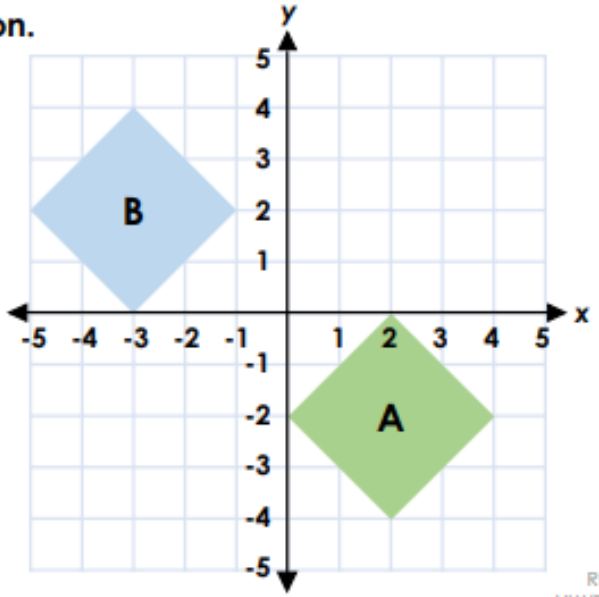
Chris

I think that shape A has been translated 5 squares left.

Alana

I think that shape A has been translated 5 squares left and 4 squares up.

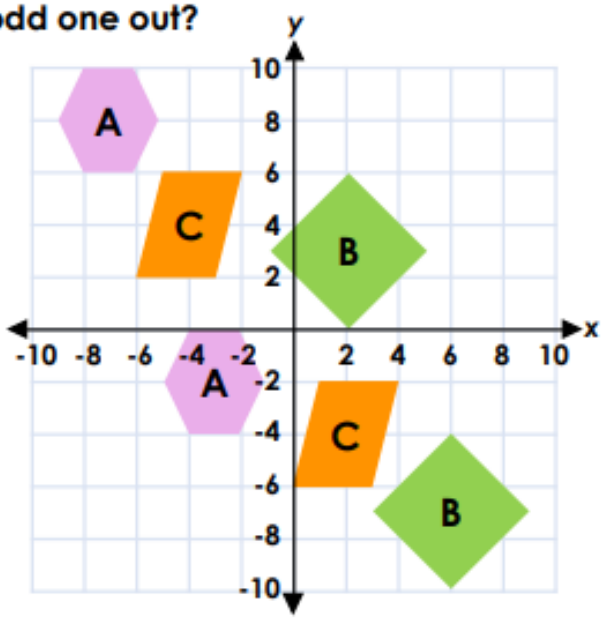
Who do you agree with? Explain your answer.



RPS
HW/Ext

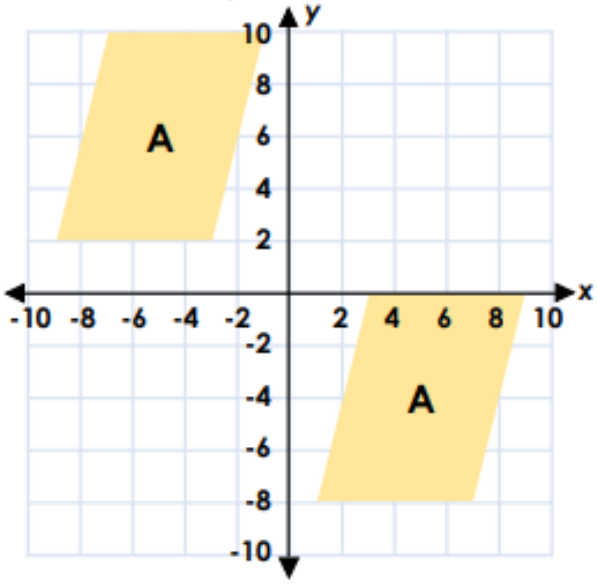
Translations

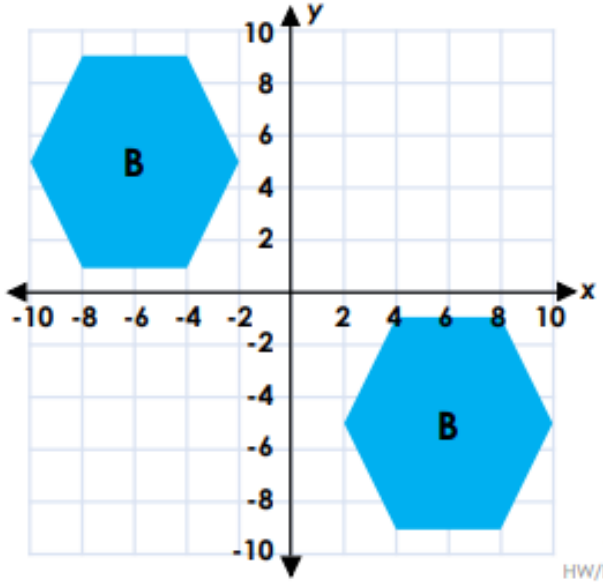
7. Which translation is the odd one out?



VF
HW/Ext

8. True or false? Shapes A and B have been translated using the same instructions.





VF
HW/Ext

9. Zach and Helena are discussing translations.

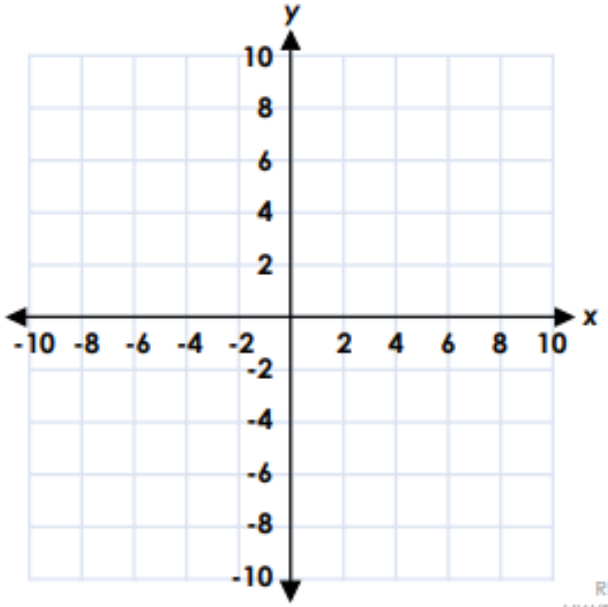
Zach

I think that if a shape has a coordinate plotted at (10, 10), it can only be translated to the left and down.

Helena

I think that if a shape has a coordinate plotted at (10, 10), it could be translated right and up.

Who do you agree with? Prove it.



RPS
HW/Ext

Answers

Expected

4. B. It has been translated 5 down and 2 right. A and C have been translated 6 down and 2 right.

5. True

6. Alana is correct. Various possible answers, for example: I agree with Alana because Chris has moved the top of shape A to the bottom of shape B.

Greater Depth

7. C. It has been translated 8 down and 6 right. A and B have been translated 10 down and 4 right.

8. False. A has been translated 10 down and 10 right. B has been translated 10 down and 12 right.

9. Helena is correct. Various possible answers, for example: I agree with Helena because the grid can go beyond (10, 10). Accept any shape that has been plotted beyond the coordinate (10, 10) that is a translation of an original shape.