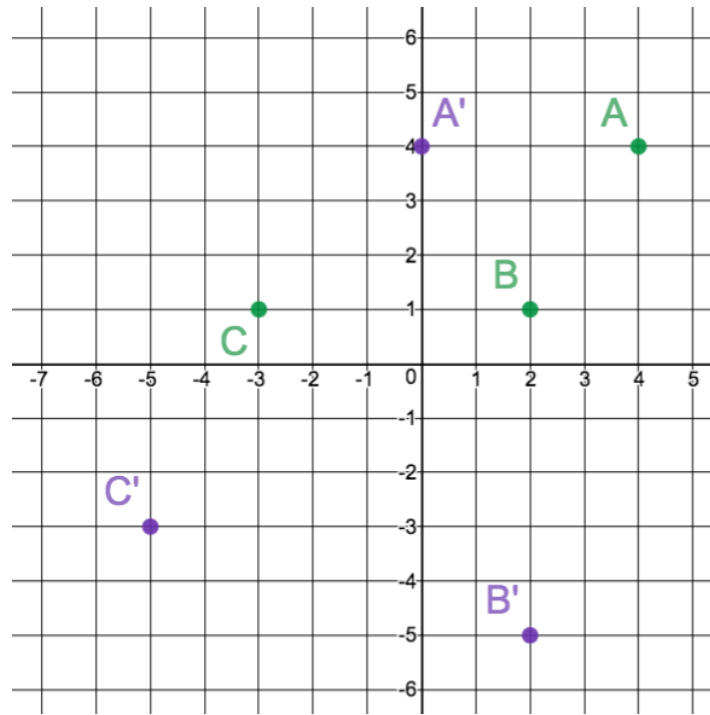


See page 2 for the SOLUTIONS to the HOMEWORK.

Use the figure below to answer each question.



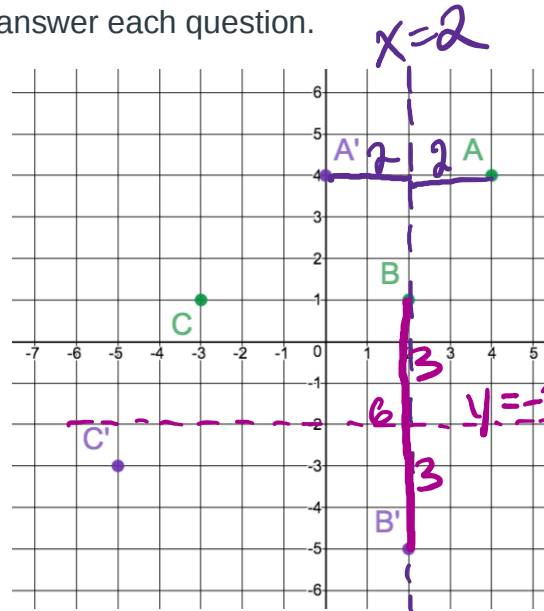
1. What is the line of reflection that would map A to A'?
2. What is the line of reflection that would map B to B'?

Given $U(0, -4)$ find U' given the following lines of reflection.

1. y - axis
2. x - axis
3. $y = x$
4. $y = -x$

Key

Use the figure below to answer each question.



** Remember for reflections, the line of reflection should be exactly in the middle between the preimage and image points*

1. What is the line of reflection that would map A to A'? $x = 2$
2. What is the line of reflection that would map B to B'? $y = -2$

Given $U(0, -4)$ find U' given the following lines of reflection.

5. y - axis $U'(0, -4) \rightarrow U'(0, 4)$
6. x - axis $U(0, -4) \rightarrow U'(0, 4)$
7. $y = x$ $U(0, -4) \rightarrow U'(-4, 0)$
8. $y = -x$ $U(0, -4) \rightarrow U'(4, 0)$