

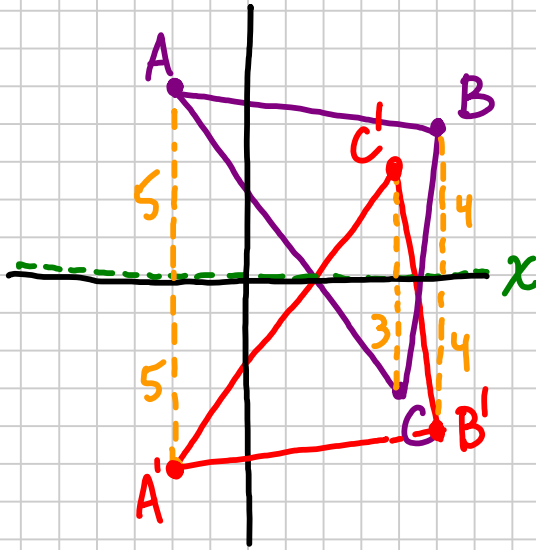
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TUE

16.4/ Reflections

→ a flip of a figure over a line

ex 1) Graph $\triangle ABC$ with vertices $A(-2, 5)$, $B(5, 4)$, $C(4, 3)$.

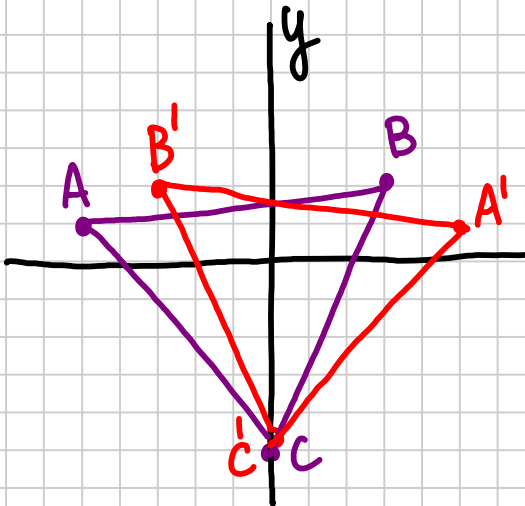
Then find the coordinates of the reflected image over the x -axis ...



$$\begin{aligned} A'(-2, -5) \\ B'(5, -4) \\ C'(4, -3) \end{aligned}$$

* Pattern: y 's → opposite

ex 2) over the y -axis ...



$$A(-5, 1) \rightarrow A'(-1, 1)$$

$$B(3, 2) \rightarrow B'(-3, 2)$$

$$C(0, -5) \rightarrow C'(0, -5)$$

* Pattern: x 's → opposite