

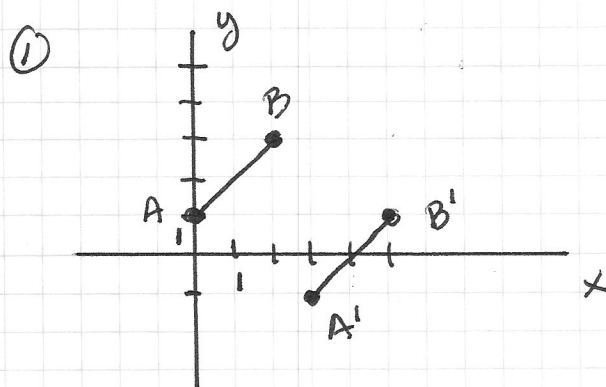
Translations

- ① graph $\overline{AB}$ with endpoints $A(0,1)$ & $B(2,3)$
graph the image of $\overline{AB}$ after a translation
3 units right & 2 units down
write the coordinates of $\overline{A'B'}$

- ② graph $\triangle ABC$ with vertices $A(1,0)$ $B(2,6)$ $C(3,4)$
graph the image of $\triangle ABC$ after a translation
1 unit left & 2 units up
write the coordinates of $\triangle A'B'C'$.

- ③ Quadrilateral $ABCD$ has vertices $A(1,-1)$ $B(1,2)$ $C(3,4)$ $D(5,1)$
find the coordinates of $A'B'C'D'$ after a translation
2 units right & 3 units up
DO NOT GRAPH for this problem.

Answers:



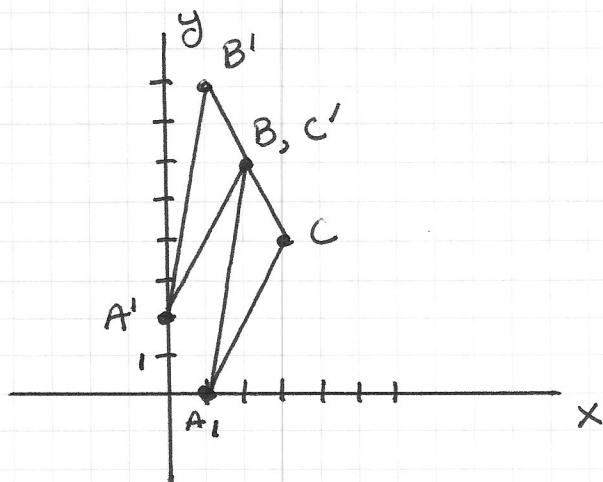
coordinates of $\overline{A'B'}$

$A'(3, -1)$

$B'(5, 1)$

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②



Coordinates of $\Delta A'B'C'$

$$A'(0, 2)$$

$$B'(1, 8)$$

$$C'(2, 6)$$

③ $A'(3, 2)$ $B'(3, 5)$ $C'(5, 7)$ $D'(7, 4)$