

Chapter 6 Practice Quiz

Use the following information for Exercises 1-4.

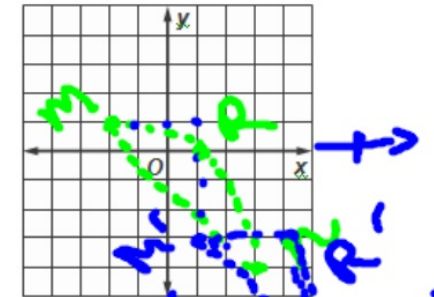
A triangular wall decoration on Kelsey's wall has vertices $M(-2, 1)$, $N(3, -4)$, and $R(1, 0)$. The triangle is translated 3 units right and 4 units down.

1. Graph the decoration after this translation.
2. What are the coordinates for M' ?
3. What are the coordinates for N' ?
4. What are the coordinates for R' ?

Handwritten notes showing the original coordinates and the translation vector:

$M(-2, 1)$
 $N(3, -4)$
 $R(1, 0)$

Translation: $+3$ (right), -4 (down)

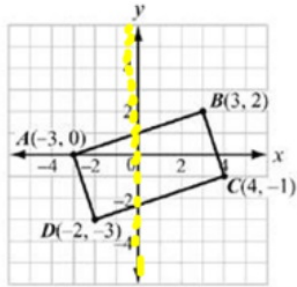


1. _____
2. $M'(1, -3)$
3. $N'(6, -8)$
4. $R'(4, -4)$

Use the following information for Exercises 5-9.

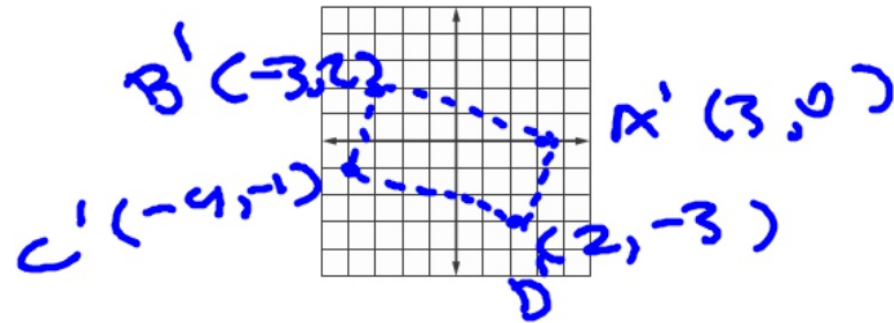
A quadrilateral with vertices $A(-3, 0)$, $B(3, 2)$, $C(4, -1)$

Use the following information for Exercises 5–9.
 A quadrilateral with vertices $A(-3, 0)$, $B(3, 2)$, $C(4, -1)$
 and $D(-2, -3)$ as shown is reflected over the y -axis.



5. Graph the quadrilateral after the reflection.
6. What are the coordinates for A' ?
7. What are the coordinates for B' ?
8. What are the coordinates for C' ?
9. What are the coordinates for D' ?

y -axis : x -axis
 $(-x, y)$: $(x, -y)$



5. _____
6. $A'(3, 0)$
7. $B'(-3, 2)$
8. $C'(-4, -1)$
9. $D'(2, -3)$