

Graph the image of A(1, -3) & each transformation.



The endpoints of CD are C(1, 2) and D(5, 4). Graph the image of CD & each transformation.

 Reflection: across the x-axis Translation: (x – 4, y)



5. Translation: (x, y + 2)



Write the rule for the combinations that were applied to $\triangle ABC$. **Pay attention to the order**

6.



7.



The vertices of \triangle ABC are A(2,4), B(7,6), and C(5,3). Graph the image of \triangle ABC & each transformation.

8. Translation: (x - 4, y - 3)Reflection: across the x-axis



9. Reflection: across the y-axis Translation: (x + 2, y)



The vertices of \triangle DEF are D(2,4), E(7,6), and F(5,3). Graph the image of \triangle DEF & each transformation.



11. Reflection: across the y - axis Translation: (x - 4, y + 1)



In the diagram, AB is the pre-image of a combination.

- 12. Which segment is a translation of AB?
- 13. Which segment is a reflection of A'B'?
- 14. Name the line of reflection.
- 15. Write a rule to describe the translation.

