## Translate the figure 8 units left and 5 units down.




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Jaxon's "Counting" Method

Maxine's "Algebraic" Method


1) What are the similarities and differences between Jaxon and Maxine's methods?

| Similarities | Differences |
| :--- | :--- |
|  |  |
|  |  |

2) Use Jaxon and Maxine's methods to translate $\triangle A B C 10$ units left and 7 units up.

Jaxon's Method
Draw and label the coordinates of your translated


Maxine's Method
Show your work in the space provided below.
3) Are their translated triangles and their original triangles the same size and shape? Explain your answer.
4) What happens to the coordinates of a figure when it is moved:
a) to the left?
b) to the right?
c) down?
d) up?


