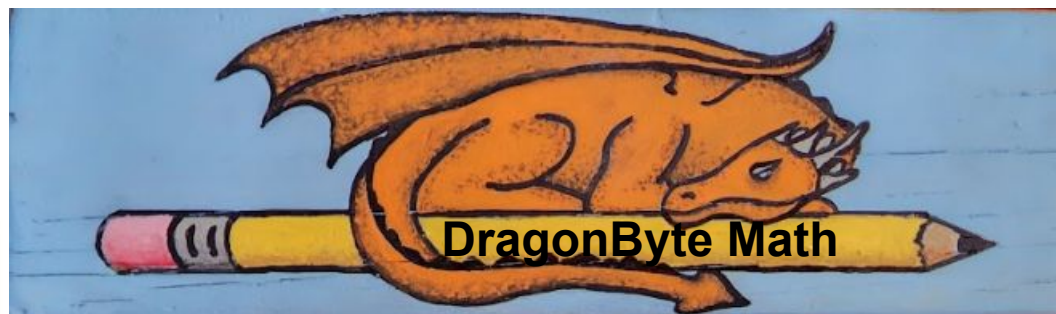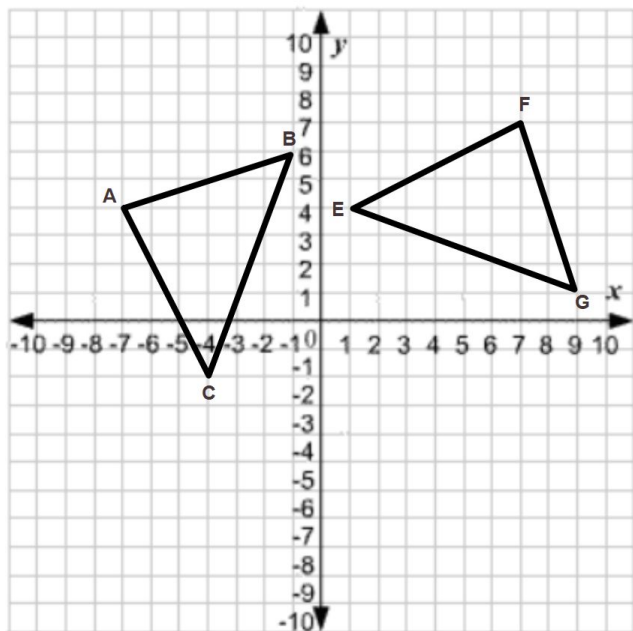# Write it, Do it - Transformations and Congruence

8.G.A.2: given two congruent figures, describe a sequence that exhibits the congruence between them.
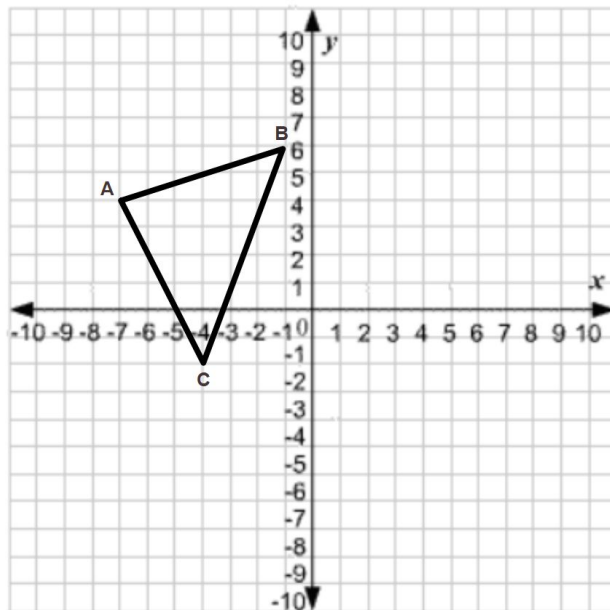
Directions:
1. Place students in groups of 2
2. Give each student the A and B version of a card. Partners should each have a different number. Example: Partner 1 gets 1A and B, Partner 2 gets 2A and B
3. Each student looks at the A version and figures out the series of rigid transformations it takes to get from one figure to the other. They then write that series on the B version of the card.
4. When both partners are done with this step, they exchange the B version of the cards only.
5. The partners must now follow the written instructions for the series of transformations.
6. Students may then look at the A versions and see how close they come to the original card following their partners written instructions.
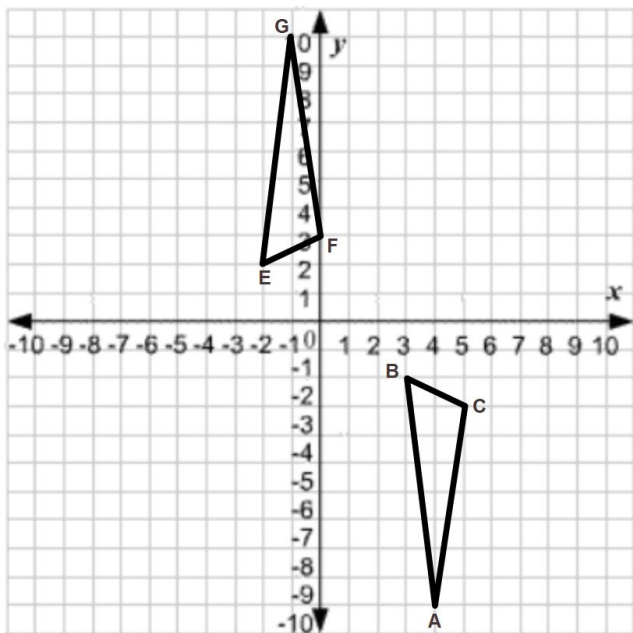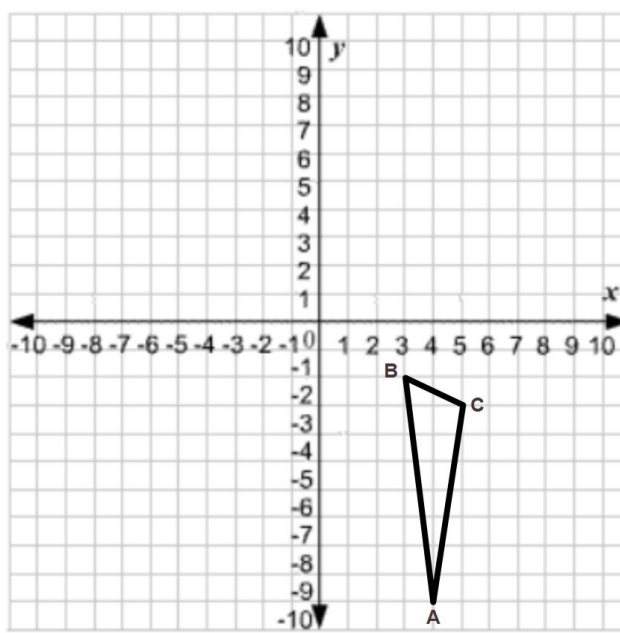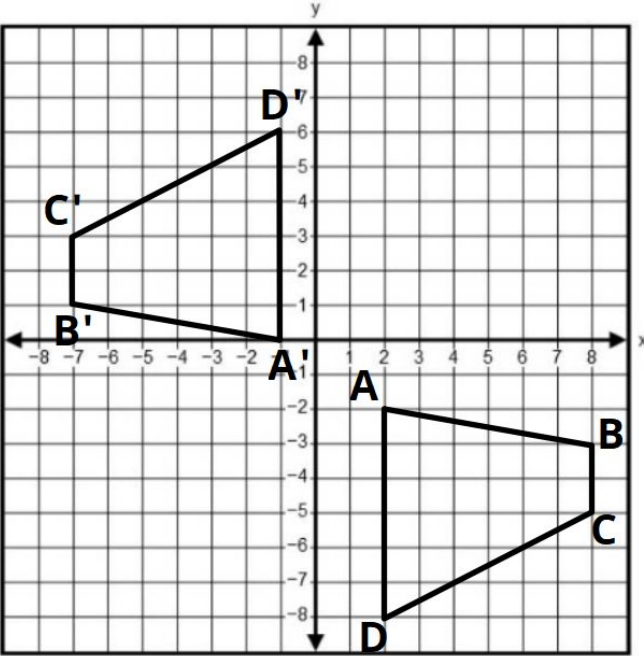

DragonByte Math

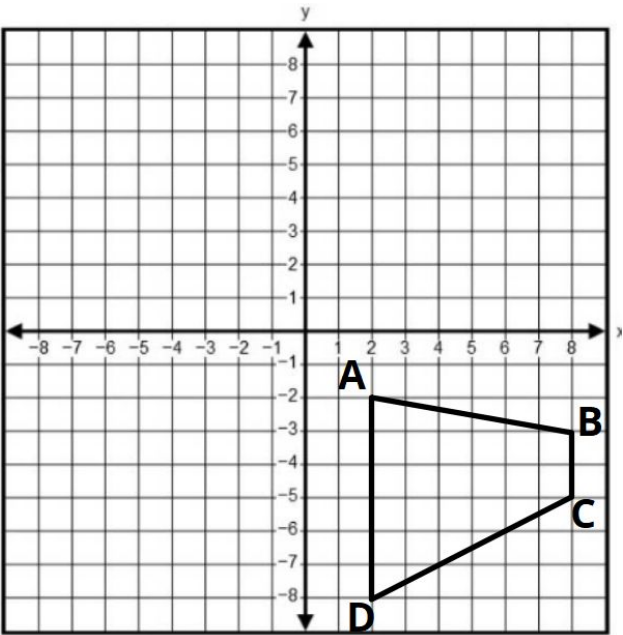## 1A: Write about it:

1B: Do it
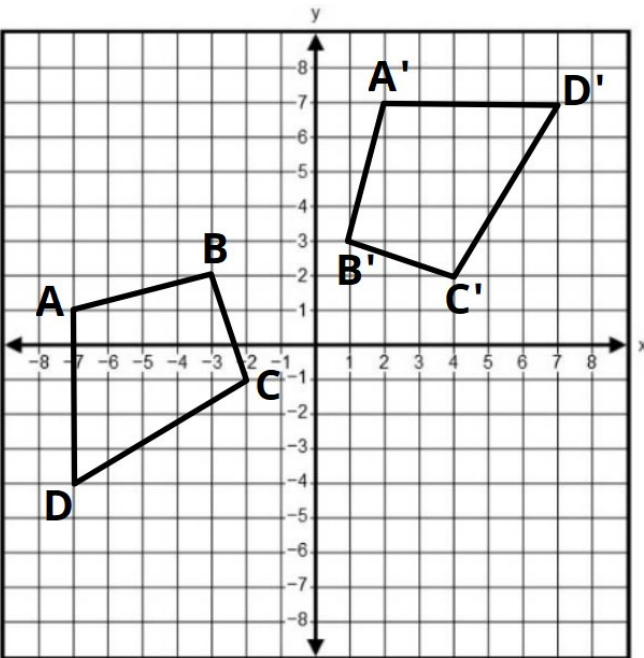

2A: Write about it:

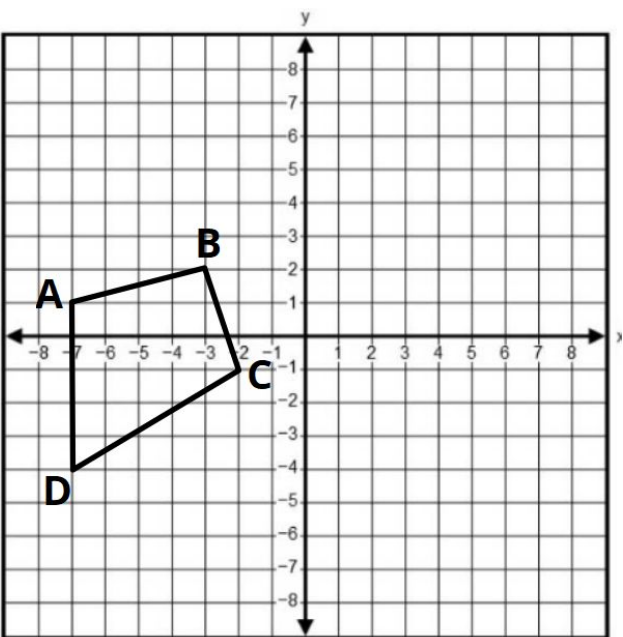

2B: Do it

3A: Write about it:

3B: Do it:

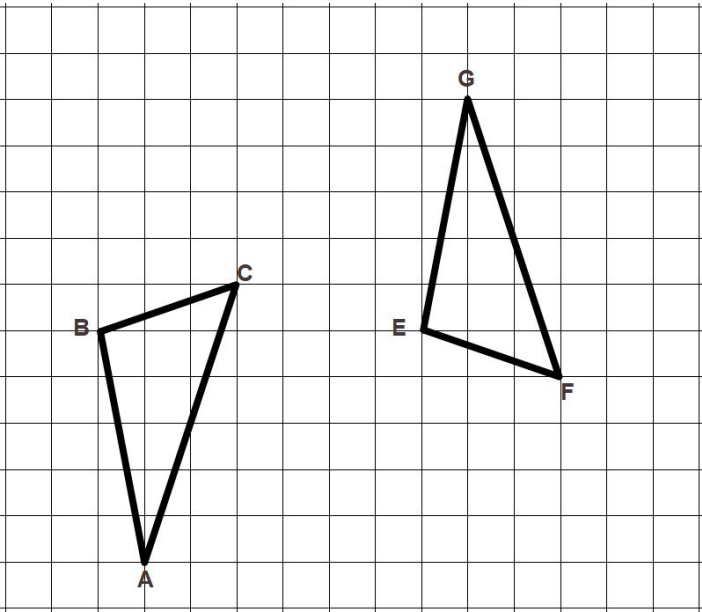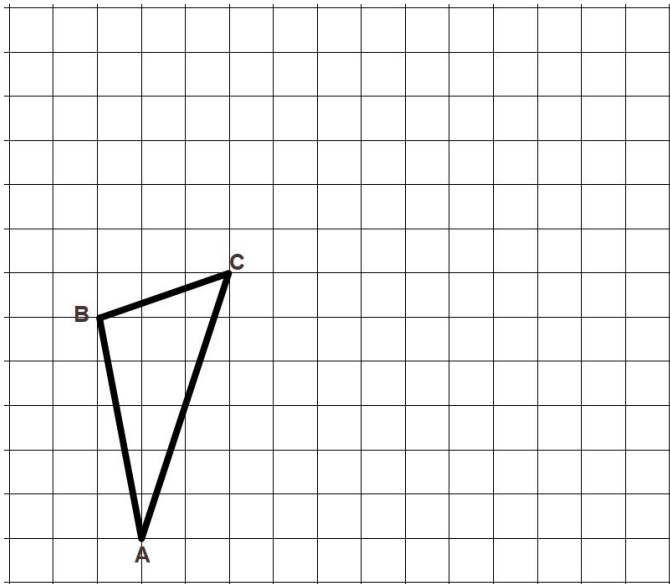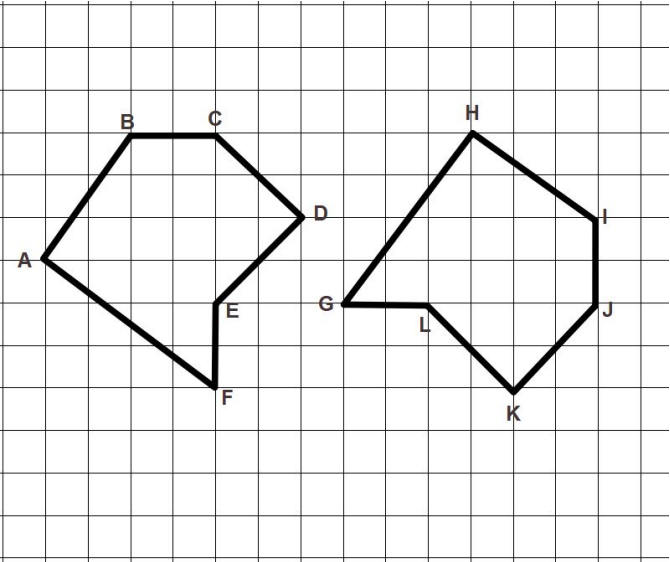# 4A: Write about it:

4B: Do it:

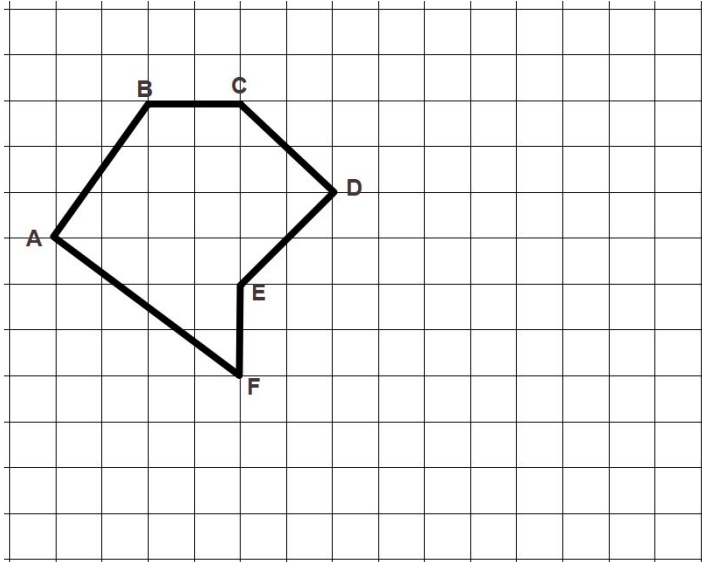## 5A: Write about it:

5B: Do it:

6A: Write about it:

6B: Do it:

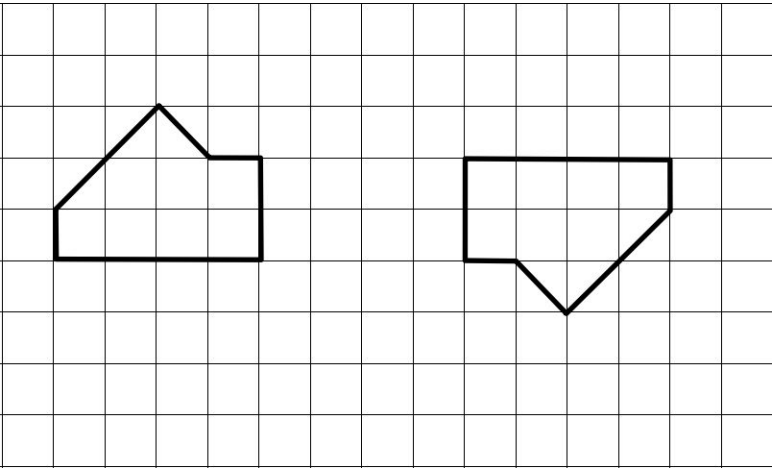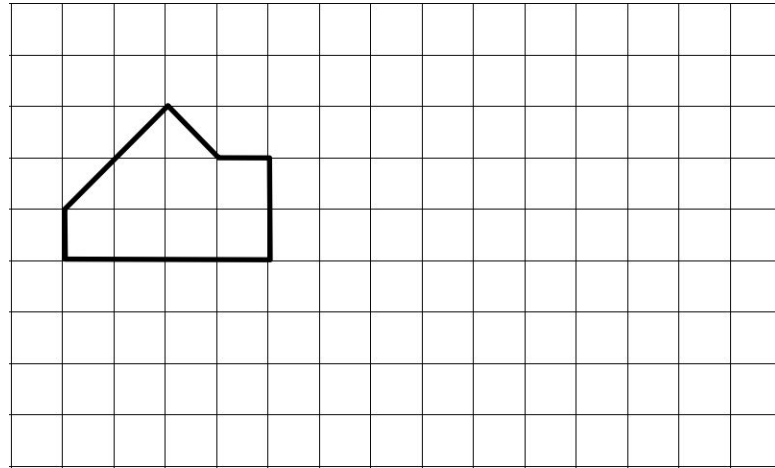## 7A: Write about it:
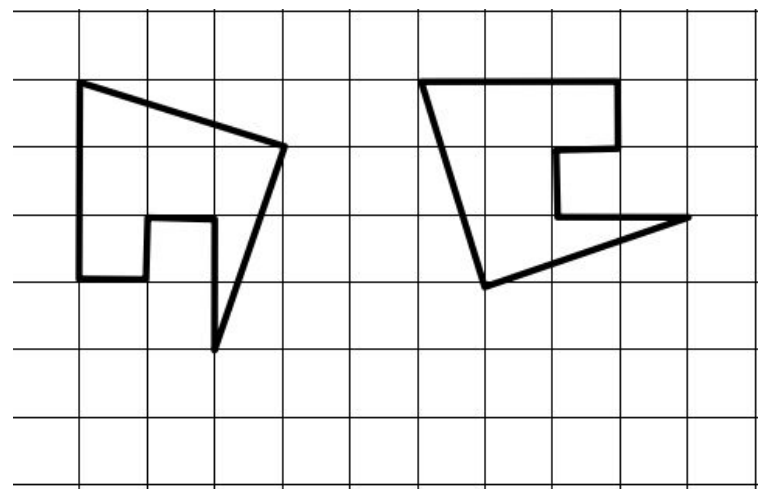
7B: Do it:

8A: Write about it:

8B: Do it: