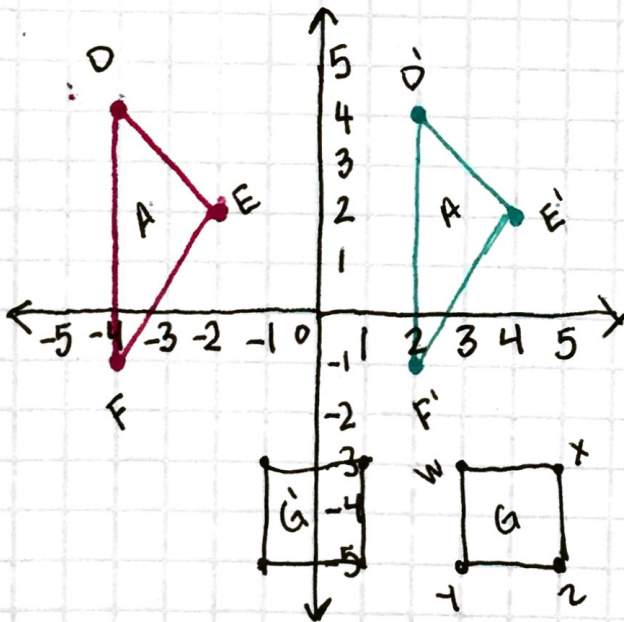


Transformations on the Coordinate Plane (Lesson 5)

Translations move (slide) an object a fixed distance without changing its size, shape, or orientation

Translating with Coordinates

- Horizontal movements affect x-coordinates
- Vertical movements affect y-coordinates
- Right, Up = Positive ; Left, Down = Negative
- All vertices move the same distance



Square G

	x	y
w	3	-3
x	5	-3
y	3	-5
z	5	-5

Square G'

	x	y
w	-1	-3
x	1	-3
y	-1	-5
z	1	-5

Triangle A

	x	y
D	-4	4
F	-4	-1
E	-2	2

Triangle A'

	x	y
D'	2	4
F'	2	-1
E'	4	2