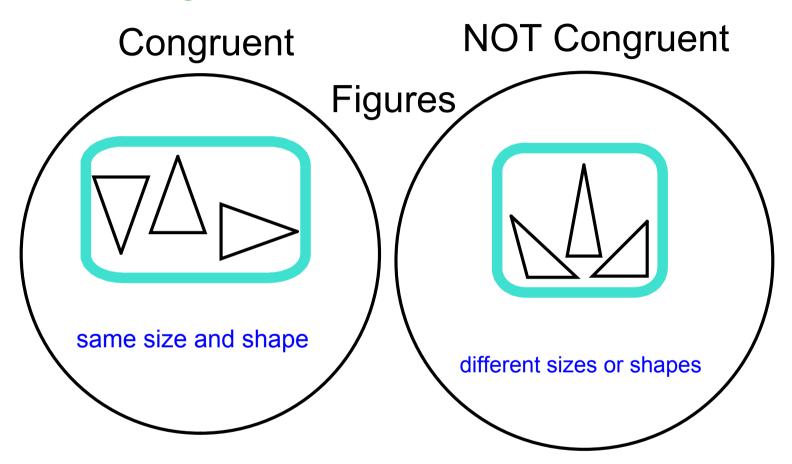
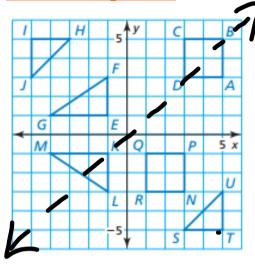
# 4.4 Congruence & Transformations

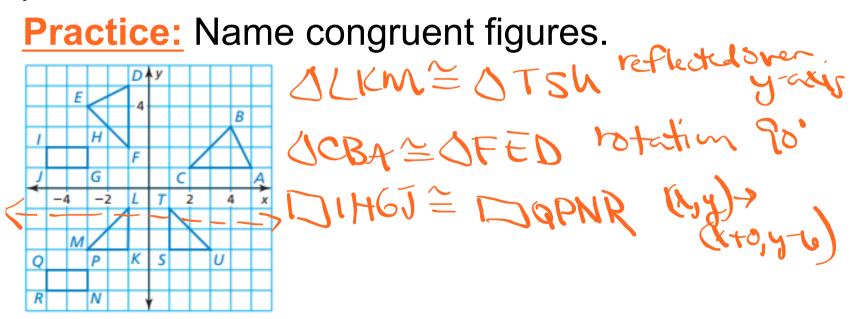


### 4.4 Congruence & Transformations with answers

**Example:** Name congruent figures.



DCBADE DQPNR (xy) 7(x-2,y-6)

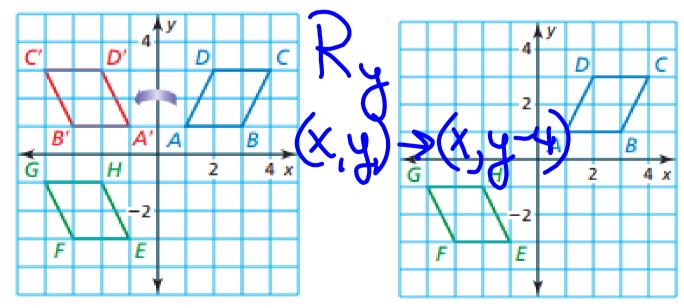


DIHOJ = DOPNR (Ly)

# Congruence Transformations

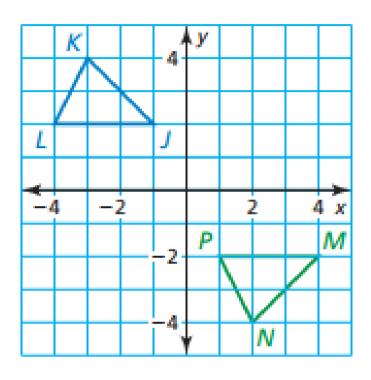
Mapping how you get from one object to another object. Sometimes it can be a composition of transformations and sometimes it is one transformation. Multiple answers can be possible!

**EXAMPLE:** How do you get from Blue to Green?



HINT: move graph to check

## **Practice:** Go from blue to green again!



Reflect over X-axis
Translate (x,y) (x+5,y+0)

### 4.4 Congruence & Transformations with answers

### **ACT Practice:**

At a buffet restaurant, the price for dinner for an adult is \$6.95 and the price for dinner for a child is \$3.95. A group of 8 people went to the restaurant for dinner and paid a total of \$46.60, excluding tax and tip. How many adults were in the group?

group?	01-
A. 2	a=aduel- c=child
B. 3	
C. 4	6.95a+3,95c=46.60
D.15	atc=8"
E. 6	C=8-9
	6.95a+3.95(8-a)=46.60
	6.95a+31.60-3,95a=46.60
	32+31,60=46.60
	-31.60 31.60
	3a=16
	3
	2=5

HW: Pg. 204: 3, 5, 7, 17, 37 - 43