Name:	Number:	
	Period:	Date:

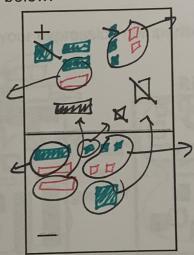
## **Chapter 2 Review Packet**

Directions: Work in partners to complete the problems below. You are each responsible for turning this in. Put a star by your name if you have read the directions. When you are finished, you can start your homework.

1. a) Use algebra tiles to build the following expression:

$$x^2 + x + x + -x + 3 - 2 - (x - 2x + 3 - 2 + x^2)$$

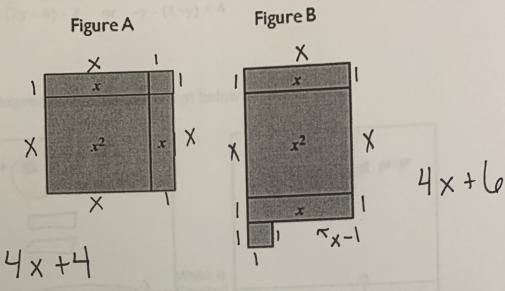
b) Draw what you built below:



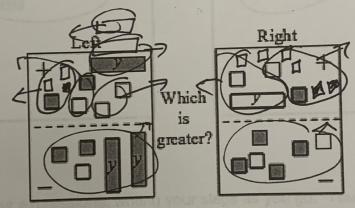
c) Simplify your expression. Write the steps below. You need to have at least 3 steps. (More is fine.)

Explanation	quen.
Given	Plip
Remove zero pairs flip	Remove
Remove zero pairs	Rem
	Given  Remove zero pairs flip

2. Find the perimeter of each. Show your work.



3. a) Build the expressions on your expression comparison mat.



b) Simplify your expressions, writing your steps as you go. You need at least 3

c) Which expression is greater?

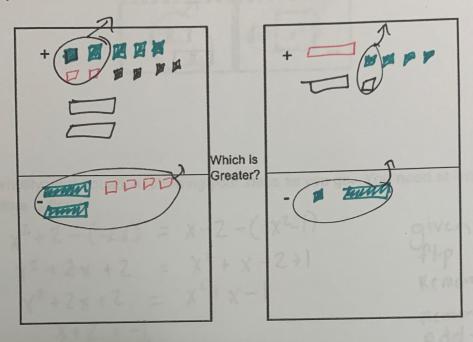
The left is greater because 0>-1.

Remove zero pais

4. a) Build the following expressions on your expression comparison mat:

$$5 - (2y - 4) - 2$$
 or  $-y - (1+y) + 4$ 

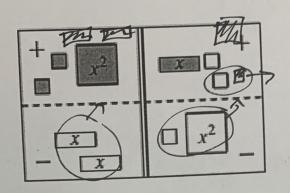
b ) Draw your expression comparison mat below:



c) Simplify your expressions, writing your steps as you go. You need at least 3 steps. (More is fine.)

d) Which expression is greater?

5. a) Build the equation on an equation mat.



b) Simplify your equation, showing your steps as you go. You need at least 3 (More is fine.)

(More is fine.)
$$\chi^{2}+2-(-2\chi) = \chi-2-(-\chi^{2}-1)$$

$$\chi^{2}+2\chi+2 = \chi^{2}+\chi-2+1$$

$$\chi^{2}+2\chi+2 = \chi^{2}+\chi-1$$

$$\chi^{2}+2\chi+2 = -1$$

$$\chi+2=-1$$
c) What does x equal?

given flip Remove zero pass Remove X2 X Add-3