Created by Mr. Lischwe Warmup $8/(6^2 - 2^2 - 1^2)$ 1. Pair up with someone sitting next to you. Each of you should share the values of your "Least to Greatest" problem from the homework with the other person and have them try to put them in order. Make sure they can't see the answer that should already be on your worksheet. Show your work for the other person's problem on your own warmup page.













Game: "Guess My Rule"

- I am thinking of a rule in my head.
- I will call on somebody to give me an input.
- I will use my rule to figure out the **output**, then tell you.
- Your job is to figure out the rule I am thinking of. When you think you know it, raise your hand.

Play "Guess My Rule" in pairs

- Let me know if you have nobody to join with!
- Take turns thinking of rules. You may make the rule whatever you want, but you may not use a calculator!!!

Would this be a fair rule?InputOutput

9	45	
5	31	
1	7	
-4	-18	
5	27	

Would this	be a fair rule?
<u>Input</u>	<u>Output</u>
10	45
7	19.5
3	-0.5
6	13
10	45
-6	19

Would	this be a fair	rule?
<u>Input</u>	<u>Output</u>	
1	-6	
2	-3	
3	2	
5	18	
7	42	
10	93	

Would	his be a fair rule?	
Input	<u>Output</u>	
5	6	
2	6	
97	6	
-3.2	6	
0	6	





Function? FOR YOU	(CO R NC	PY 7 DTES	THIS ONE 5)
	х	У	
	3	6	
	5	10	
	5	12	
	8	14	
	12	18	
No; th than o	e inpu one ou	ıt "5" tput.	has more



1 5 1 6
1 6
2 7
2 8
3 9

Х	y		l
1	24		
2	9		
3	-6		
4	-21		
5	-36		
input l	has on	ly one	
	x 1 2 3 4 5	x y 1 24 2 9 3 -6 4 -21 5 -36	x y 1 24 2 9 3 -6 4 -21 5 -36

unction?	х	у	
	1	-2	
	2	-2	
	3	-2	
	4	-2	
	5	-2	
Yes; each inpu (You can have multiple input	t has the si	only o ame o	one output. utput for































WITH YOUR GROUP:

- Decide whether each of the relationships are functions. EACH PERSON should be able to explain each one, so discuss well!!!
- 1. Input = Facebook user, Output = password
- 2. Input = student, Output = the student's hair color
- 3. Input = student in our class, Output = planet he/she lives on
- 4. Input = state, Output = # of letters in the state's name
- 5. Input = month, Output = # of days in the month
- 6. Input = # of days in the month, Output = month7. Input = date, Output = temperature outside
- 8. Input = password, Output = Facebook user
- 9. Input = any integer, Output = double that integer

1, 2, 3, 4, 5, 9 are functions

Homework

• "Is it a function?" worksheet