Activator

Enter the function.

Make a table.

$g(x) = x - 7$

Describe this line.

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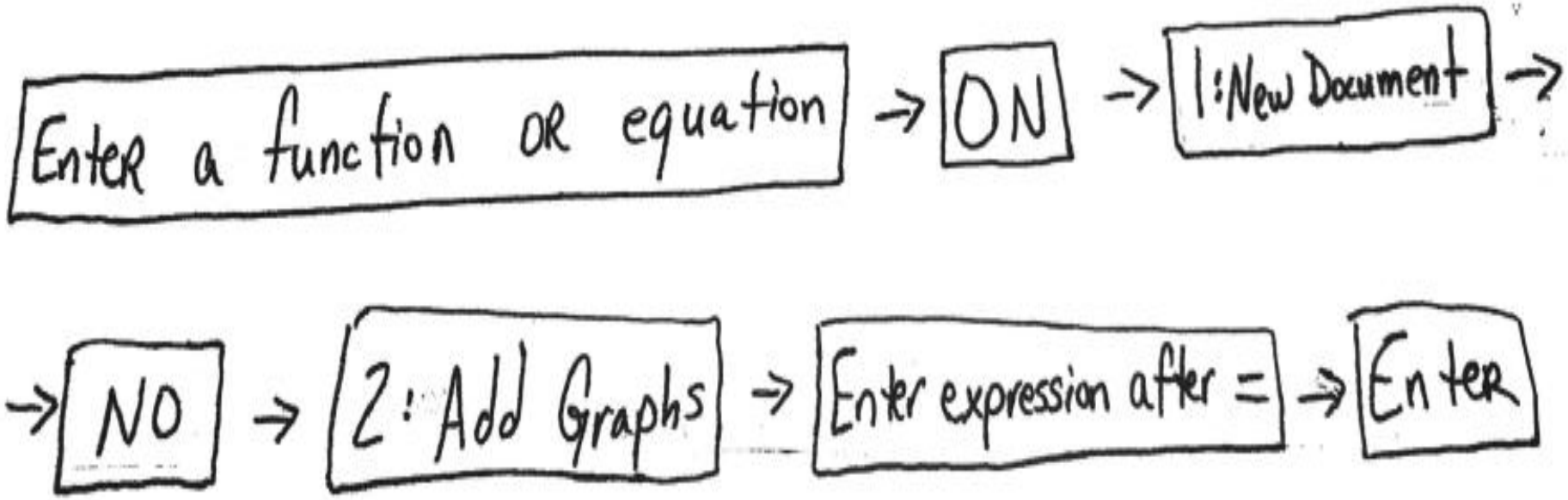
Lesson 3.3

Subtract 7



X	G(x)
0	-7
1	-6
2	-5
3	-4
4	-3
5	-2

Today's Objective

Lesson 3.3

Students will be able graph a function and determine if it is a function.

Announcements

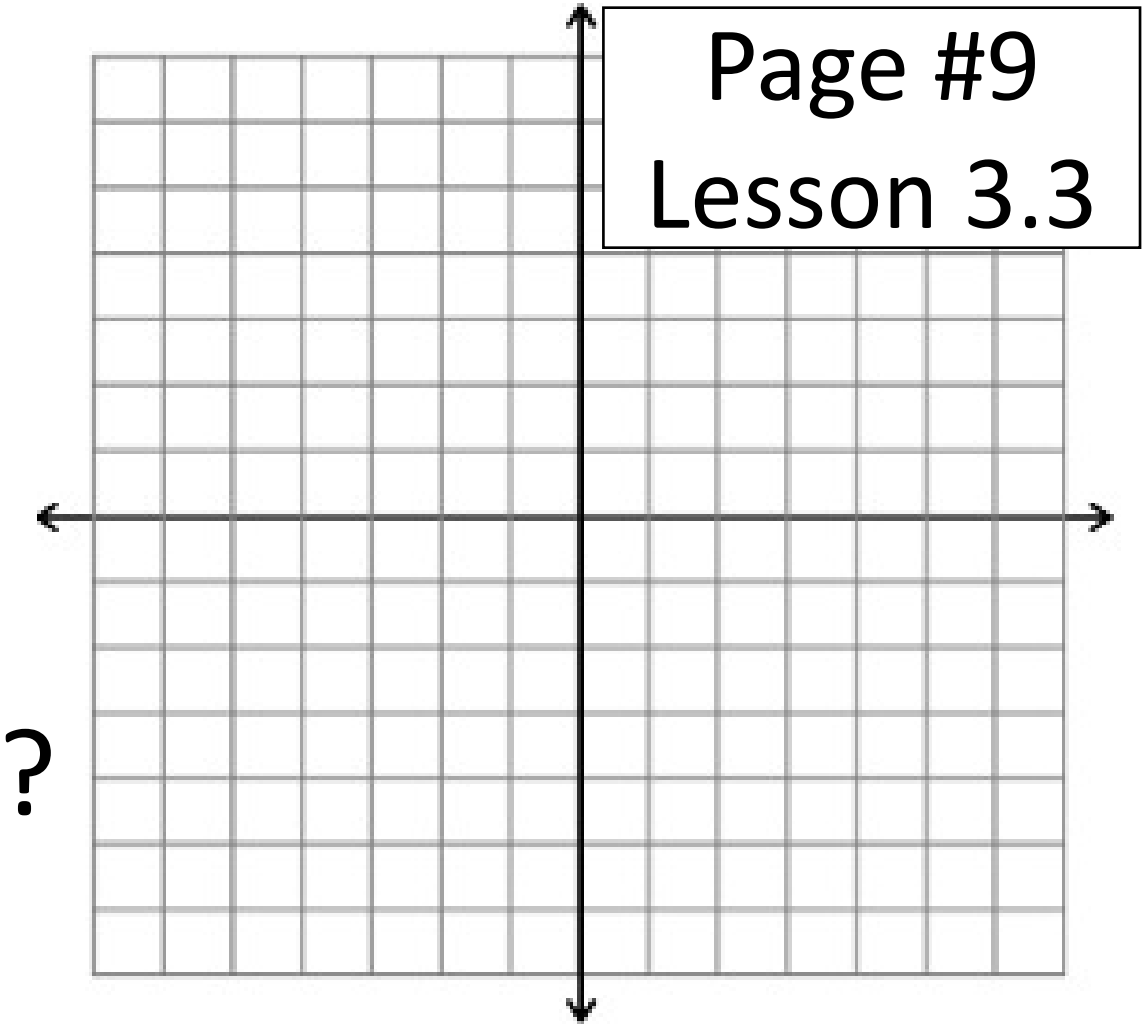
Today's New Vocab (1 of 4)

Graph the function. $g(x) = x - 7$

X	Y
0	-7
1	-6
2	-5
3	-4
4	-3

What is g(1)? -6

What is this point? (1,-6)



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Lesson 3.3

Today's New (2 of 4)

Evaluate the function for g(2) and g(4)

$g(x) = x - 7$

$g(2) = (2) - 7$

$g(2) = 2 - 7$

$g(2) = -5$

$g(x) = x - 7$

$g(4) = (4) - 7$

$g(4) = 4 - 7$

$g(4) = -3$

What number was next to 4 on the table? -3

Today's New Vocab (3 of 4)

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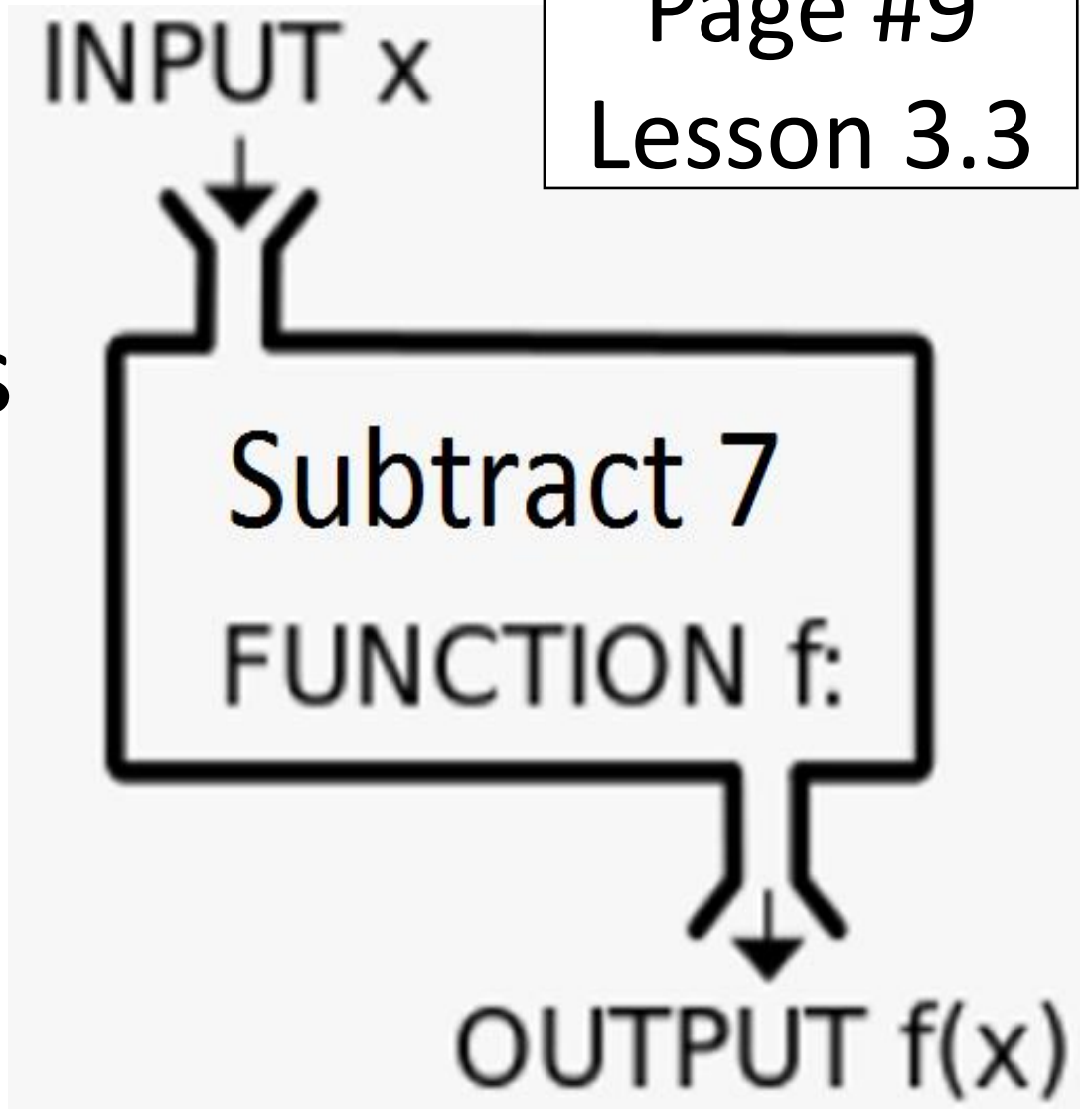
Lesson 3.3

What is a function?

It has ALL different x-values.

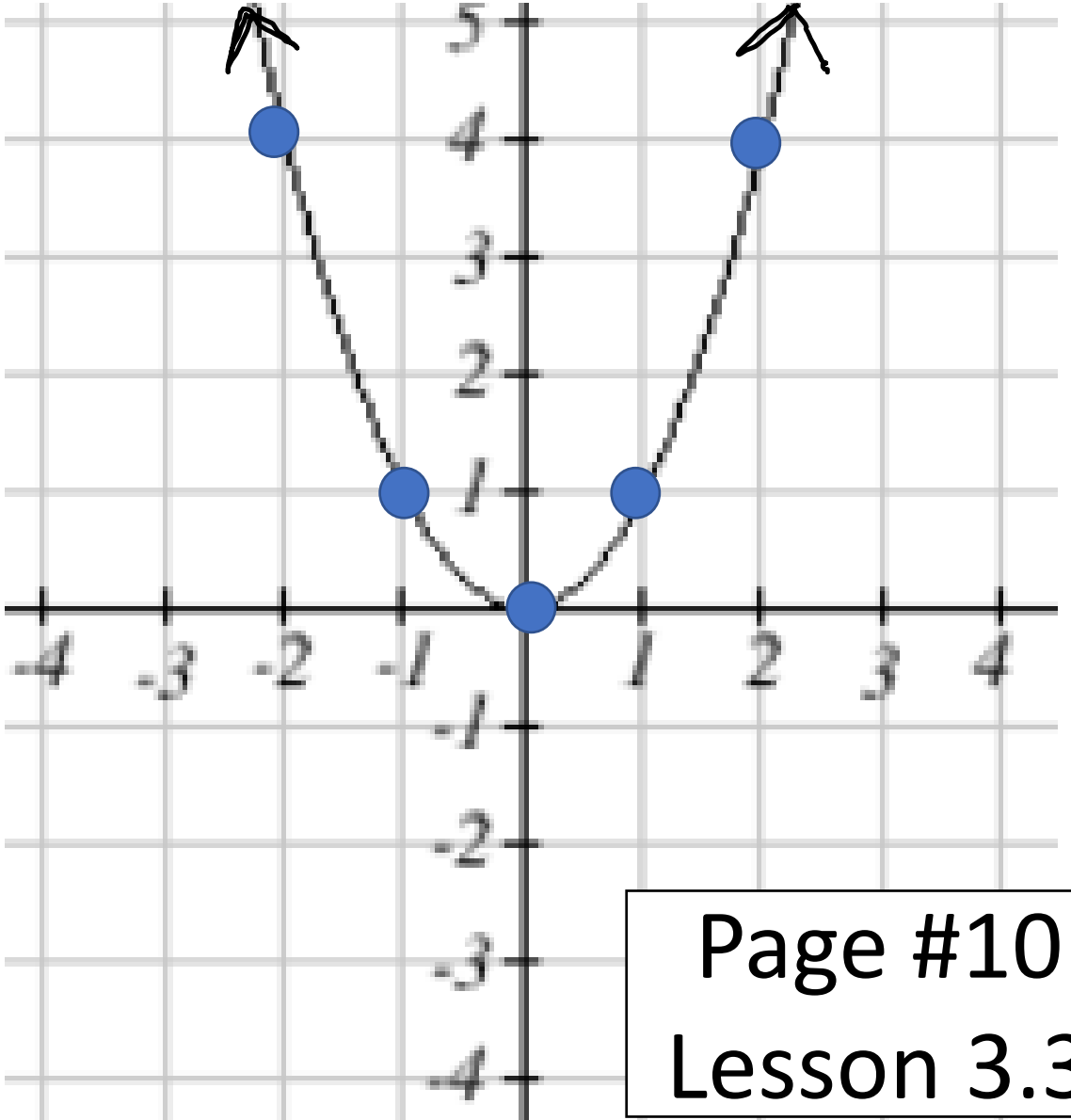
Is f(x) = x – 7 a function? Yes

X (input)	Y (output)
0	-7
1	-6



Today's New Vocab (4 of 4)

Here is a graph.



What is f(-2)? 4

Write the point. (-2,4)

What is f(-1)? 1

Write the point. (-1,1)

What is f(0)? 0

Write the point. (0,0)

Work Period

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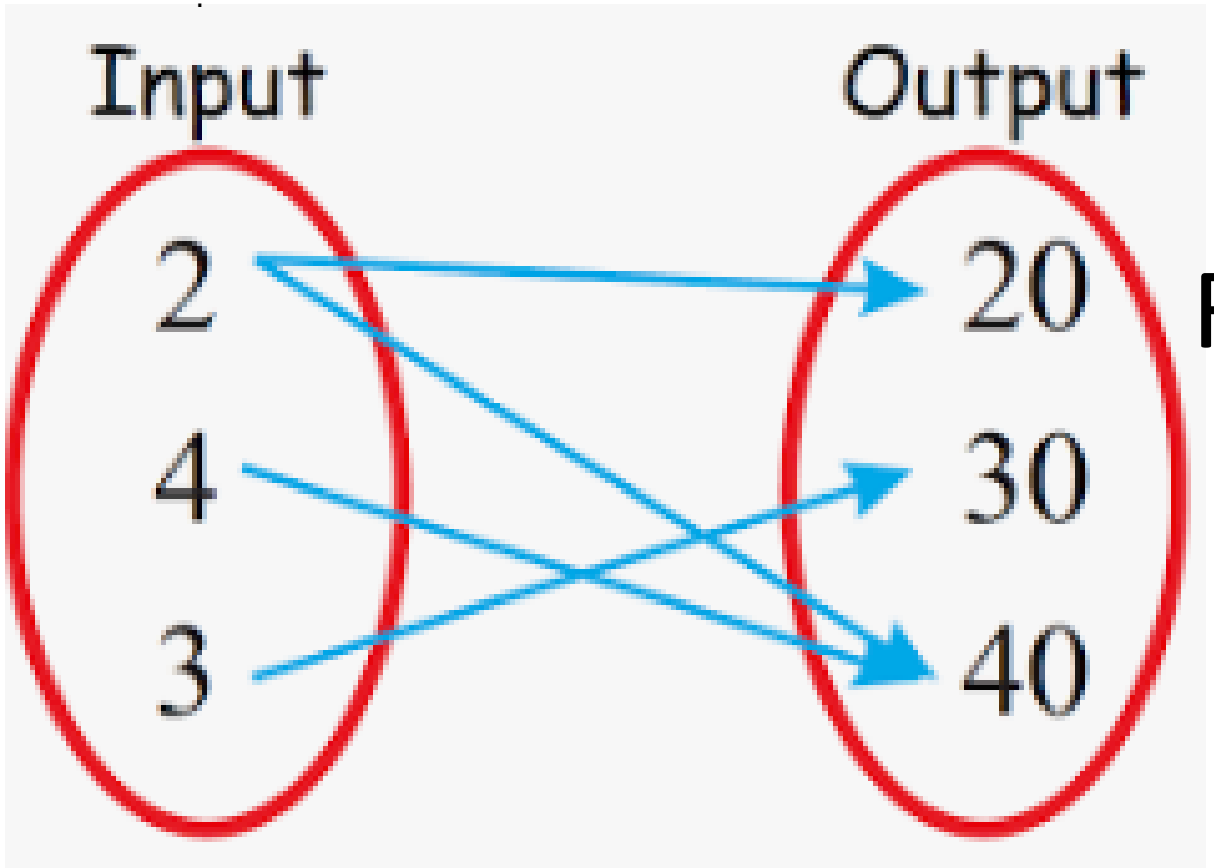
Lesson 3.3

Is this diagram a function? No

Why? x=2 has two y-values.



Input Output

X	Y
2	20
2	40
3	30
4	40

Repeat x = 2

Group Work Questions

Pages 11-12
Lesson 3.3

Directions: All groups, please do all of the questions. Use your notes from last class to help you. [Ask 2 people before you ask me.]

Last time, we did Lesson 3.3 Notes.

1st Stop @ 8:18

*One person from each group will present one question.

Exit Ticket

Make the function into points, a table, and a graph.

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Lesson 3.3

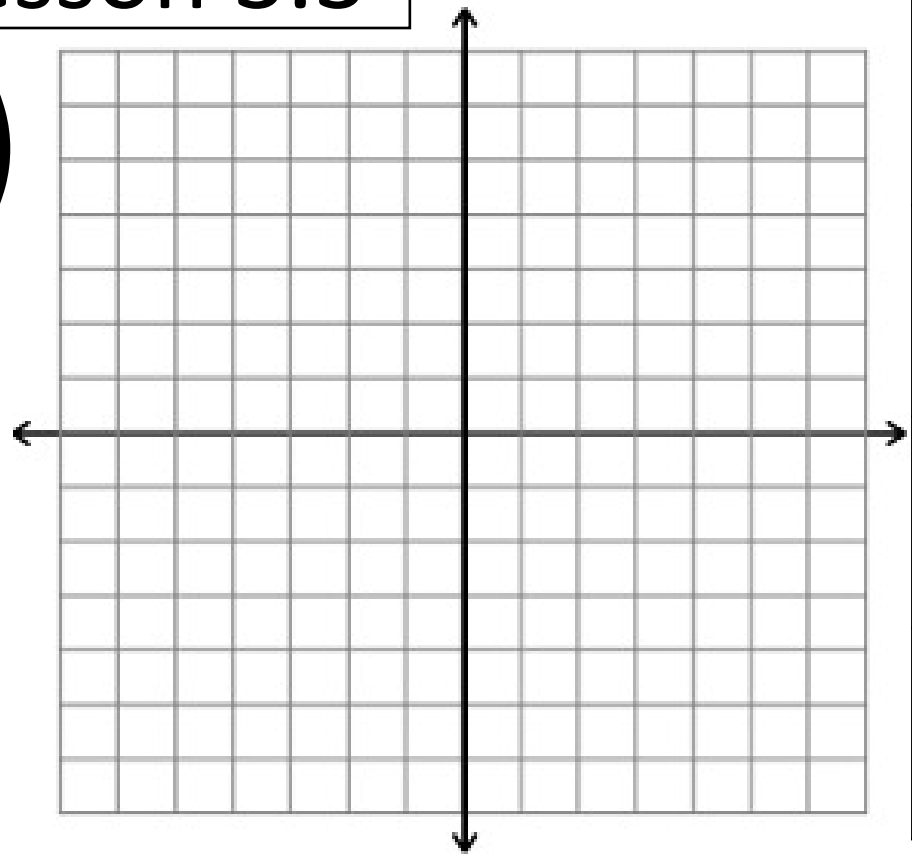
$f(x) = x+2$

$f(-3) = -1$ $(-3,-1)$

$f(-2) = 0$ $(-2,0)$

$f(-1) = 1$ $(-1,1)$

$f(0) = 2$ $(0, 2)$



x	f(x)
-3	-1
-2	0
-1	1
0	2