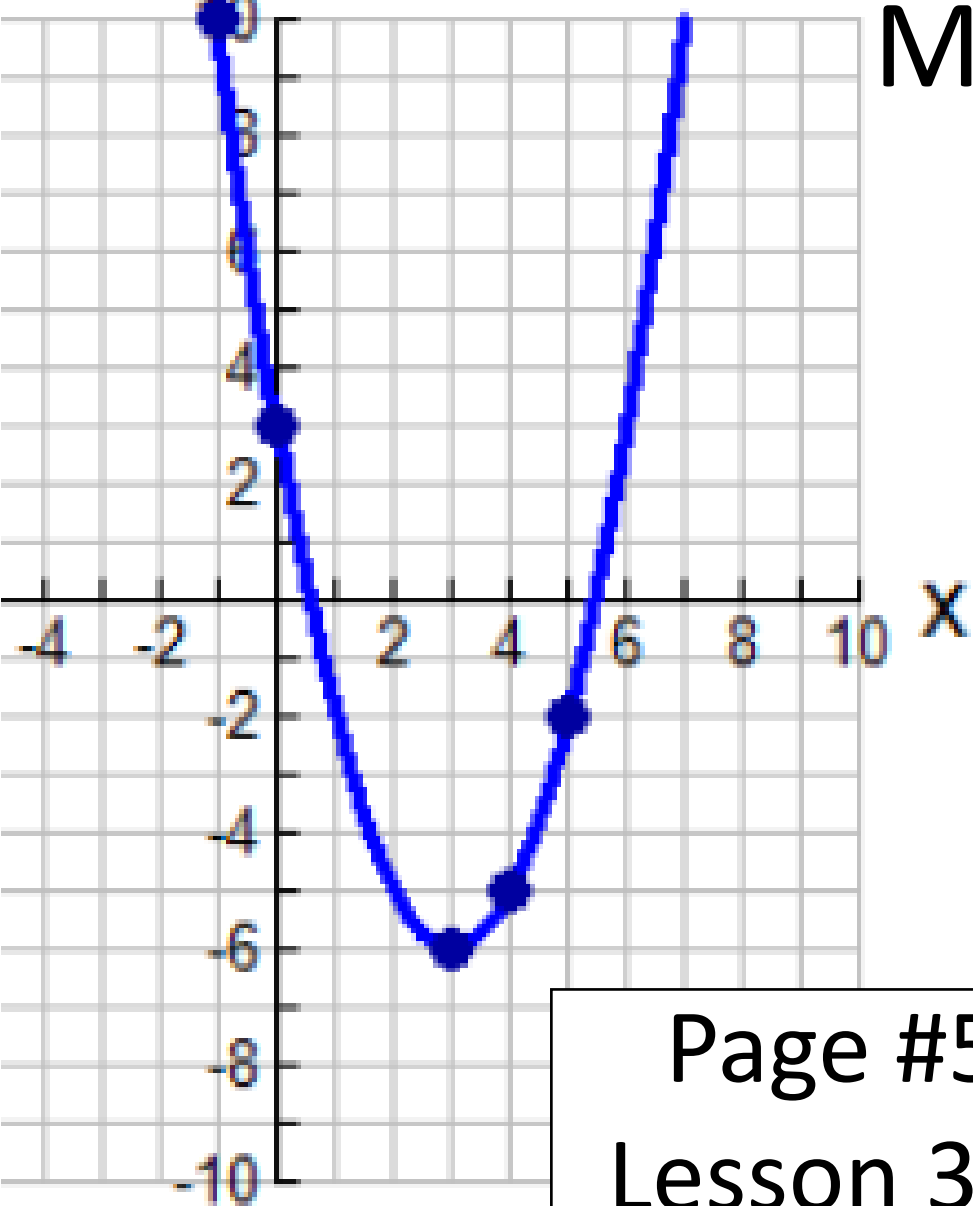


Activator



Make a table for this function.

Right and Left

Up and Down

x	y
-1	10
0	3
3	-6
4	-5
5	-2

Today's Objective

Lesson 3.2

Students will be able to substitute, write points, and graph points in function notation.





Today's New Vocab (1 of 4)

Can the calculator make a table for you?

Page #5
Lesson 3.2

$$f(x) = 3x$$

X	Y
-1	-3
0	0
1	3
2	6

Enter a function OR equation → ON → 1: New Document →

→ NO → 2: Add Graphs → Enter expression after = → Enter

MAKE a table → Ctrl → T

Today's New (2 of 4)

$f(x) = 3x$ is a line on a graph.

x (input)	$f(x) = 3x$	$f(x) = y$
$f(-1)$	$f(-1) = 3(-1)$	-3
$f(0)$	$f(0) = 3(0)$	0
$f(1)$	$f(1) = 3(1)$	3
$f(2)$	$f(2) = 3(2)$	6

If every point is f , then the line is called f .

Today's New Vocab (3 of 4)

Graph the function.

x	f(x)
-1	-3
0	0
1	3
2	6

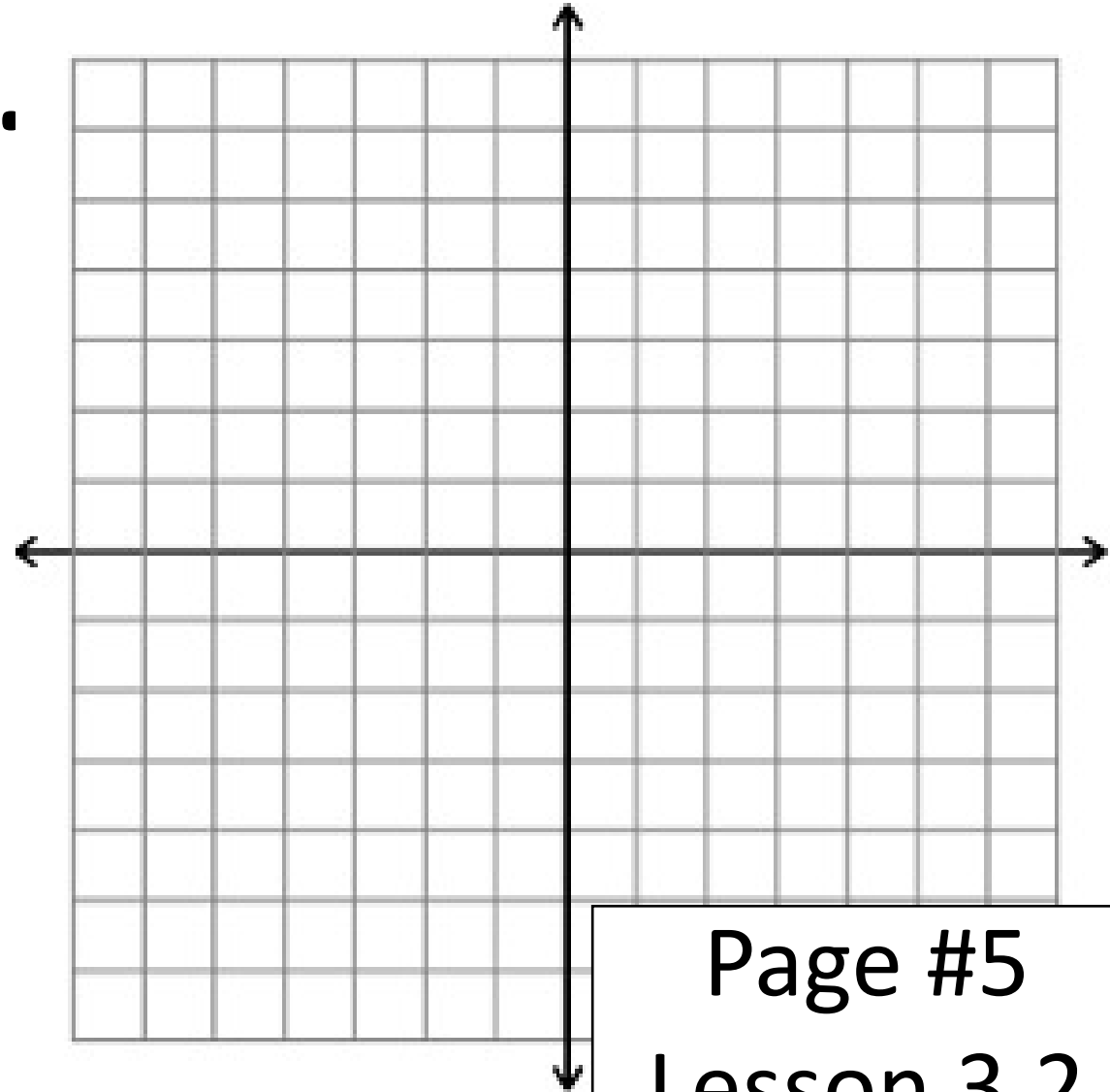
$$f(x) = 3x$$

$$(-1, -3)$$

$$(0, 0)$$

$$(1, 3)$$

$$(2, 6)$$



Today's New Vocab (4 of 4)

Where is $F(-2)$ on the line $3x$?

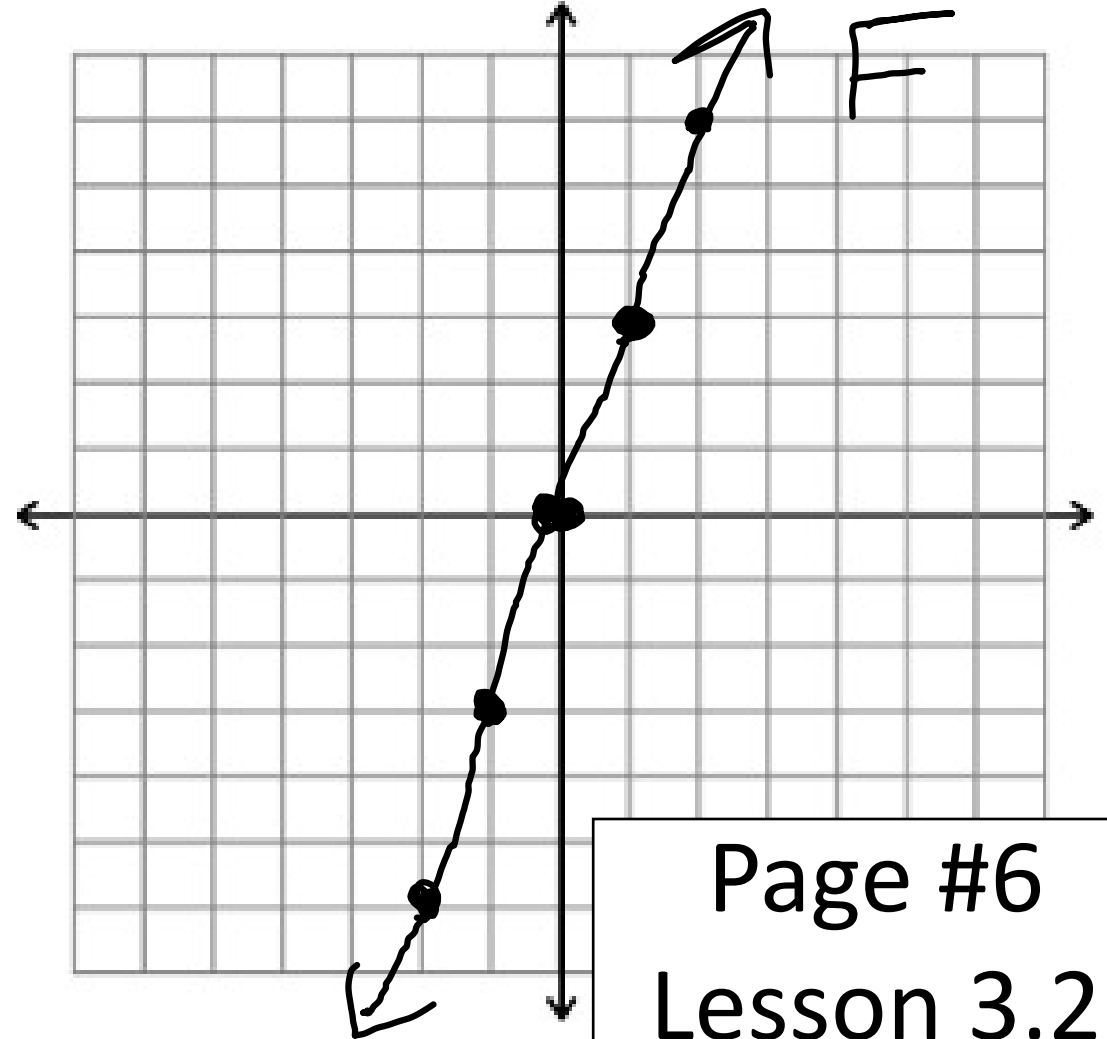
$$F(x) = 3x$$

$$F(-2) = 3(-2)$$

$$F(-2) = -6$$

$F(x)$ is a line.

$F(-2)$ is a point.



Work Period

Evaluate when $g(3)$ and $f(3)$.

$$f(x) = 2x$$

$$f(3) = 2(3)$$

$$f(3) = \underline{6}$$

$$g(x) = x + 2$$

$$g(3) = (3) + 2$$

$$g(3) = \underline{5}$$

Page #6
Lesson 3.2

What is $f(3) + g(3)$? $6 + 5$ is 11

What is $f(3) - g(3)$? $6 - 5$ is 1

What is $f(3)(g(3))$? $6(5)$ is 30

Group Work Questions

Pages 7-8
Lesson 3.2

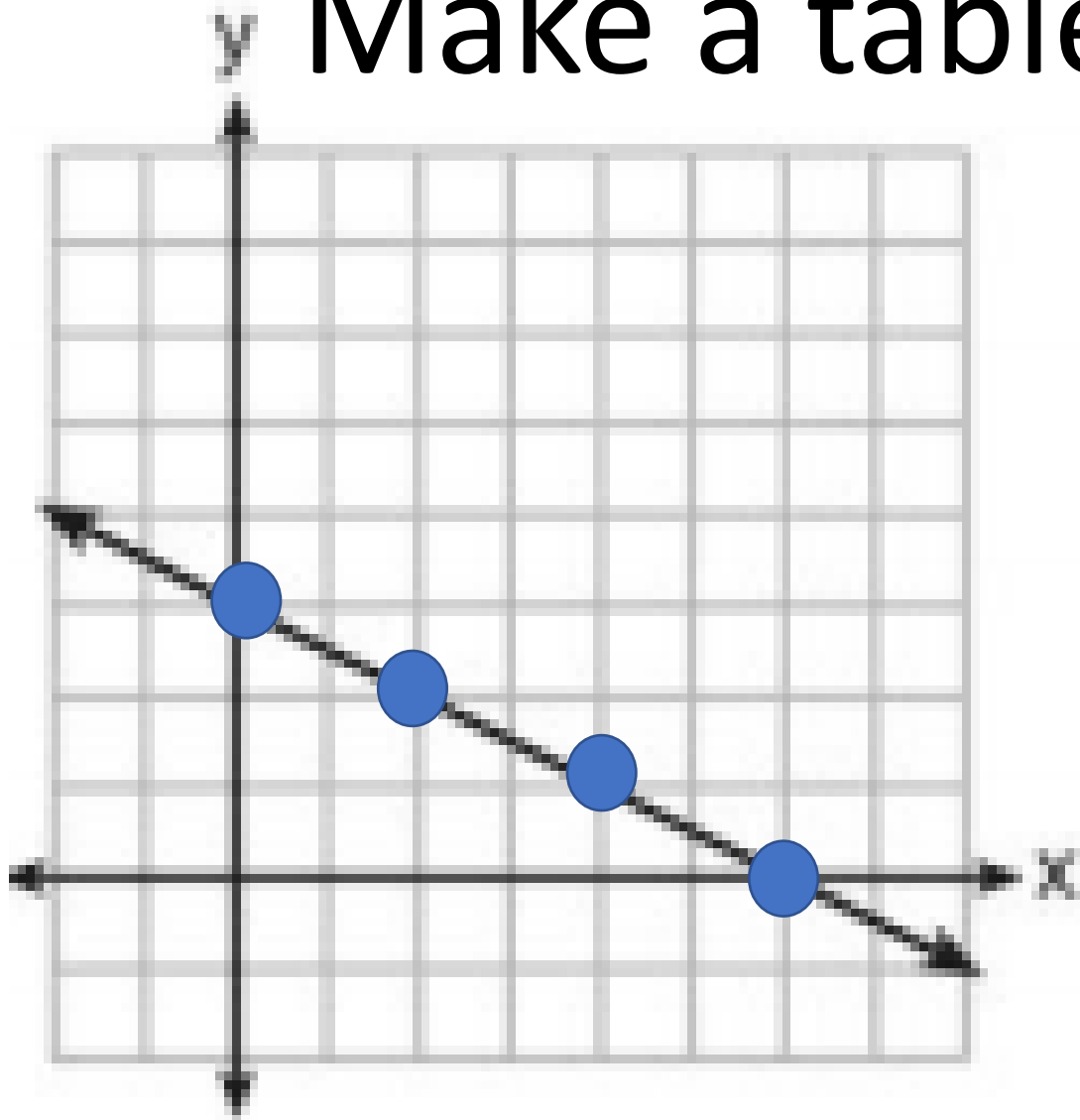
Directions: All groups, please do all of the questions. Use your notes from last class to help you. [Ask 2 people before you ask me.]

Yesterday, we did Lesson 3.2 Notes.

*One person from each group will present one question.

Exit Ticket

Make a table from the graph.



x	$f(x)$
0	3
2	2
4	1
6	0

What is
 $f(0)$? 3

Page #6
Lesson 3.2

What is
 $f(4)$? 1