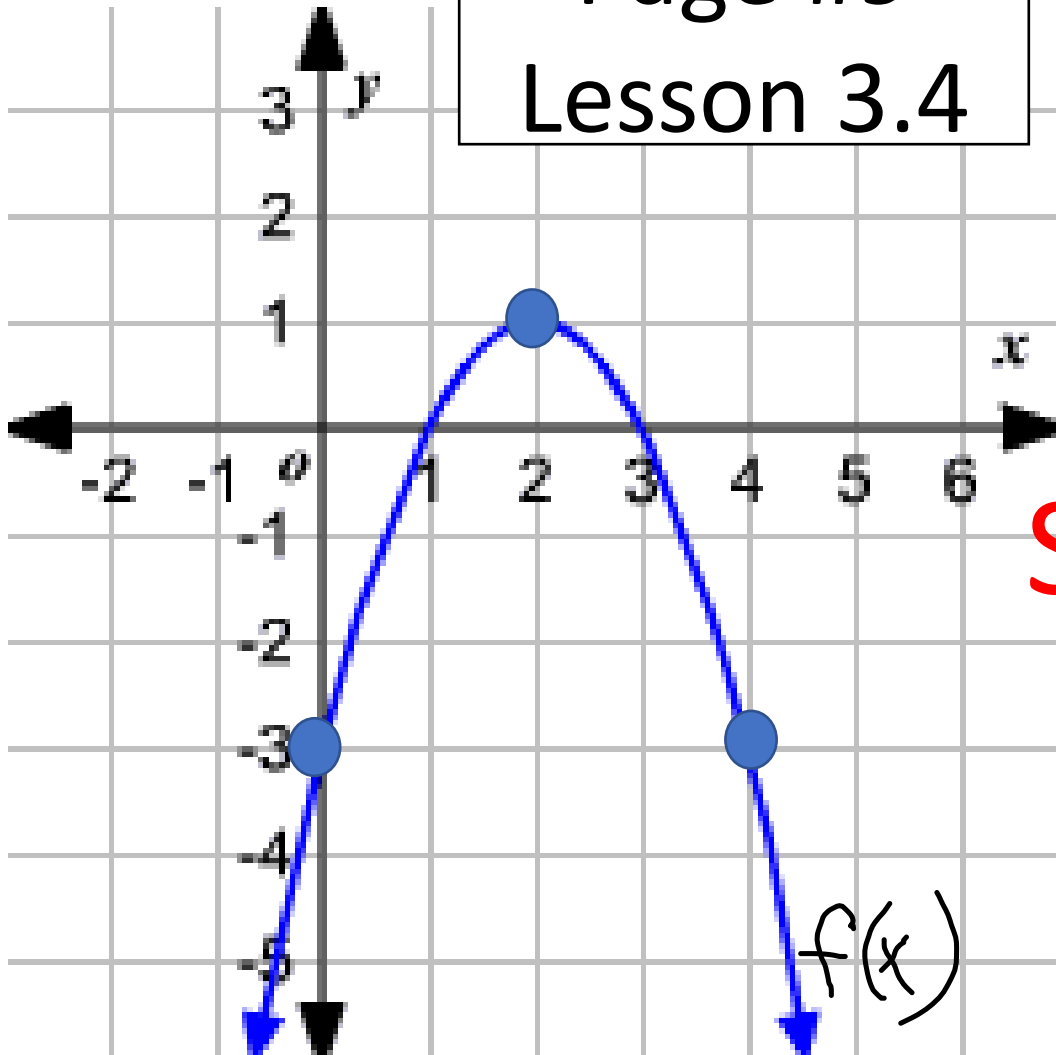


Activator

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Lesson 3.4



What is the maximum (or top) of the parabola (or curved line) $f(x)$?
State the point. $(2, 1)$

What is $f(4)$? -3

Today's Objective

Lesson 3.4

Students will be able to evaluate functions.





Today's New Vocab (1 of 3)

Make a table for the function $f(x) = 2x - 4$

MAKE a table → Ctrl → T

What is $f(-1)$? $f(-1) = -6$

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Lesson 3.4

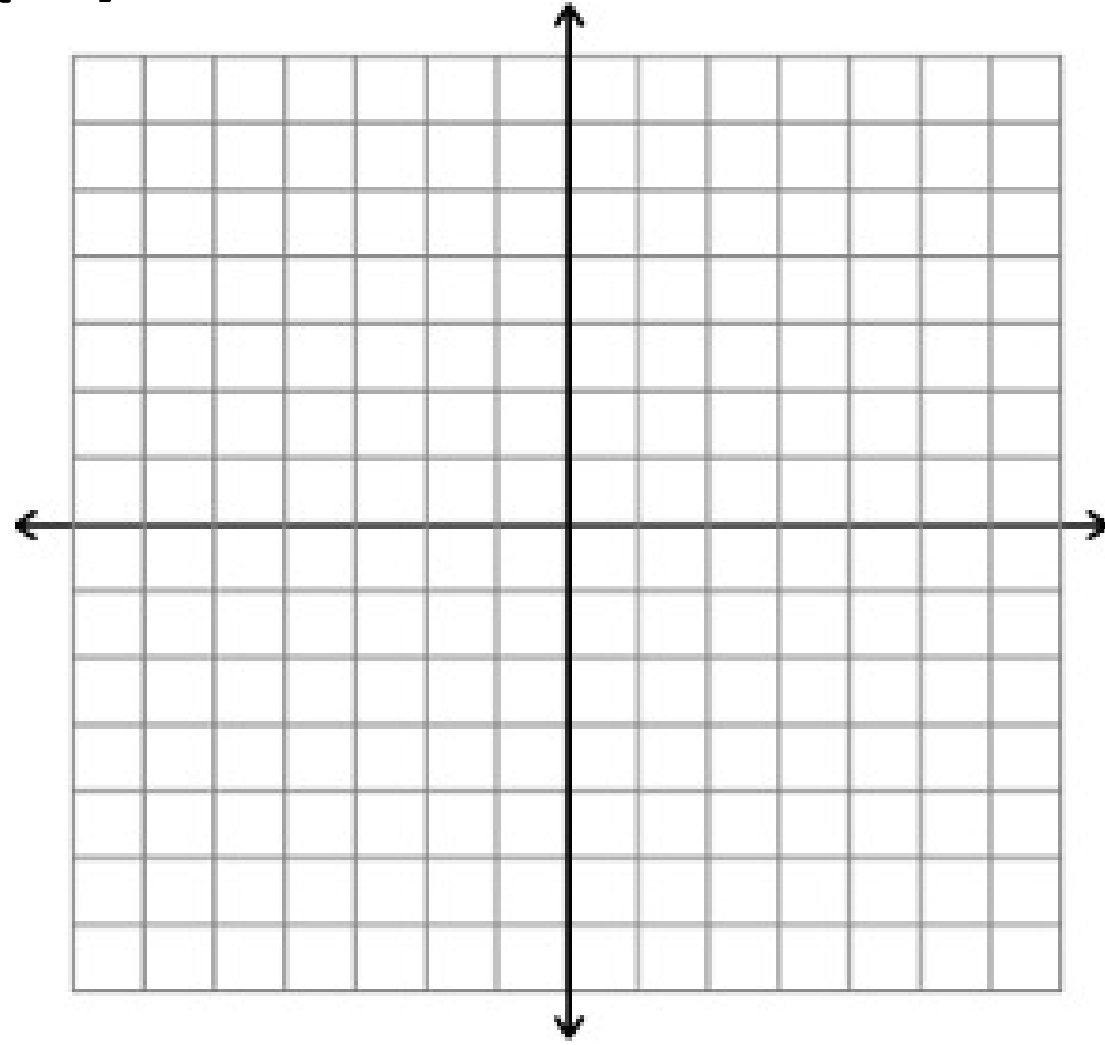
x	y
-1	-6
0	-4
1	-2
2	0
3	2

Today's New (2 of 3)

Graph the function. $f(x) = 2x - 4$

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

Circle $f(-1)$.
Box $f(2)$.



Today's New Vocab (3 of 3)

Is $f(x) = 2x - 4$ a function? **YES**

Why?

Page #10 Lesson 3.4

All x -values
are different.

x	y
-3	-10

What is $f(-3)$?

$$f(x) = 2x - 4$$

$$f(-3) = 2(-3) - 4$$

$$f(-3) = -6 - 4$$

$$f(-3) = -10$$

Work Period

Make a table for the function $G(x) = 2x - 6$

What is $G(3)$?

$$G(3) = 2(3) - 6$$

$$G(3) = 6 - 6$$

$$G(3) = 0$$

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Lesson 3.4

x	$G(x)$
0	-6
1	-4
2	-2
3	0

For what x -value does $G(x) = 0$? $x = 3$

Group Work Questions

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Directions:

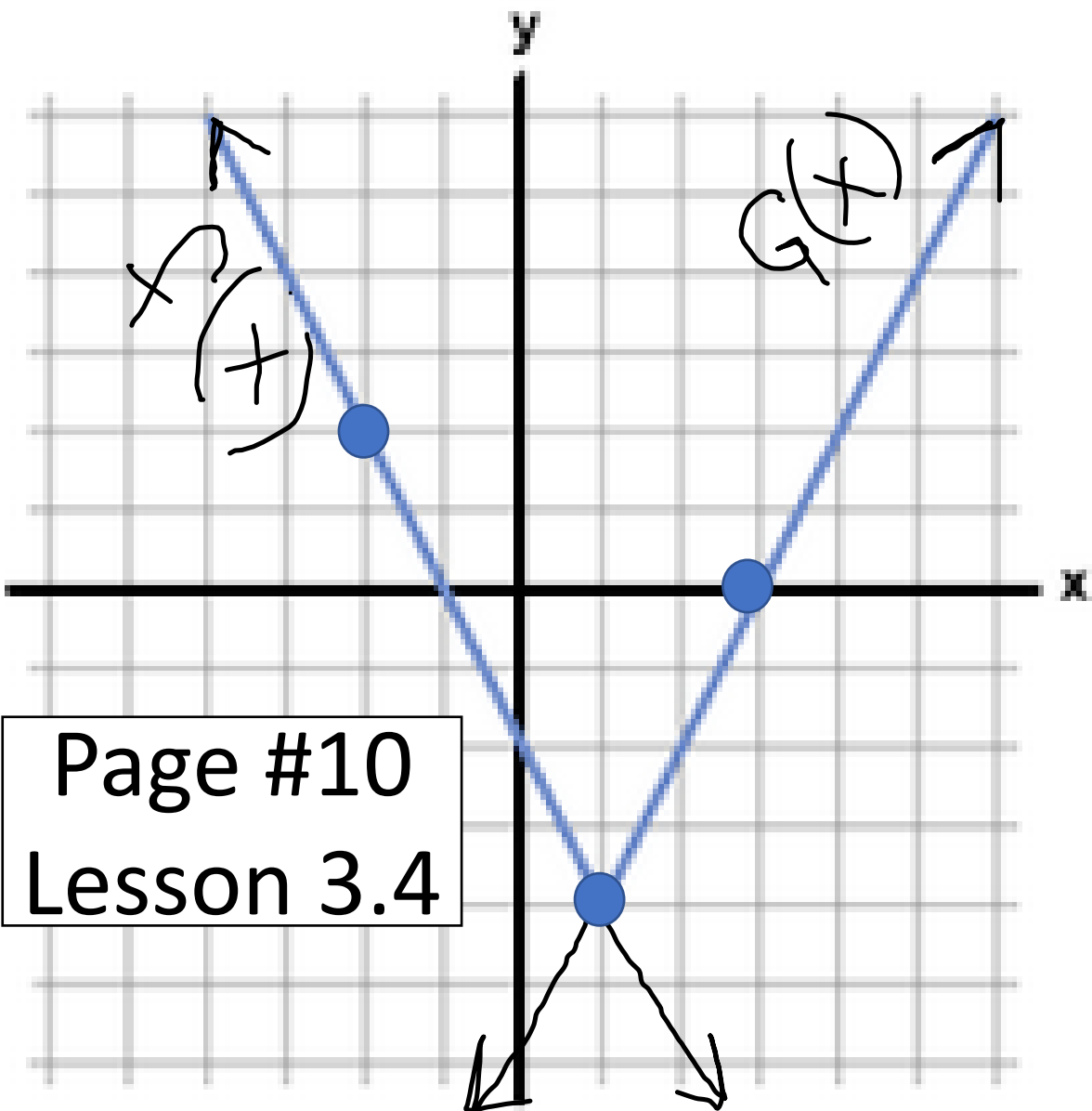
All groups, please do all of the questions.

Use your notes to help you.

[Ask your partner before you ask me.]

*One person from each group will present one question.

Exit Ticket



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Lesson 3.4

For what value of x does $f(x) = 2$? $(-2, 2)$

For what value of x

x does $G(x) = 0$? $(3, 0)$

For what x -value does $f(x) = G(x)$? $(1, -4)$

x

x