

Activator

Make a table for the function.

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

$$f(-2) = 2$$

Page #13
Lesson 4.4

x	y
-2	2
-1	-1
0	-4
1	-7

Is the point $(-2, 2)$ a solution (answer) to the function? Yes, b/c it is on the line and table.

Today's Objective

Unit 4

Lesson 4

Students will be able to evaluate and graph functions.





Today's New Vocab (1 of 4)

Determine if the point $(0, 0)$ is on the line. $f(x) = 2x$.

Page #13
Lesson 4.4

Is the point on the table? **YES**

What is a solution? It is a point or answer on a line.

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

Today's New Vocab (2 of 4)

Write the points.

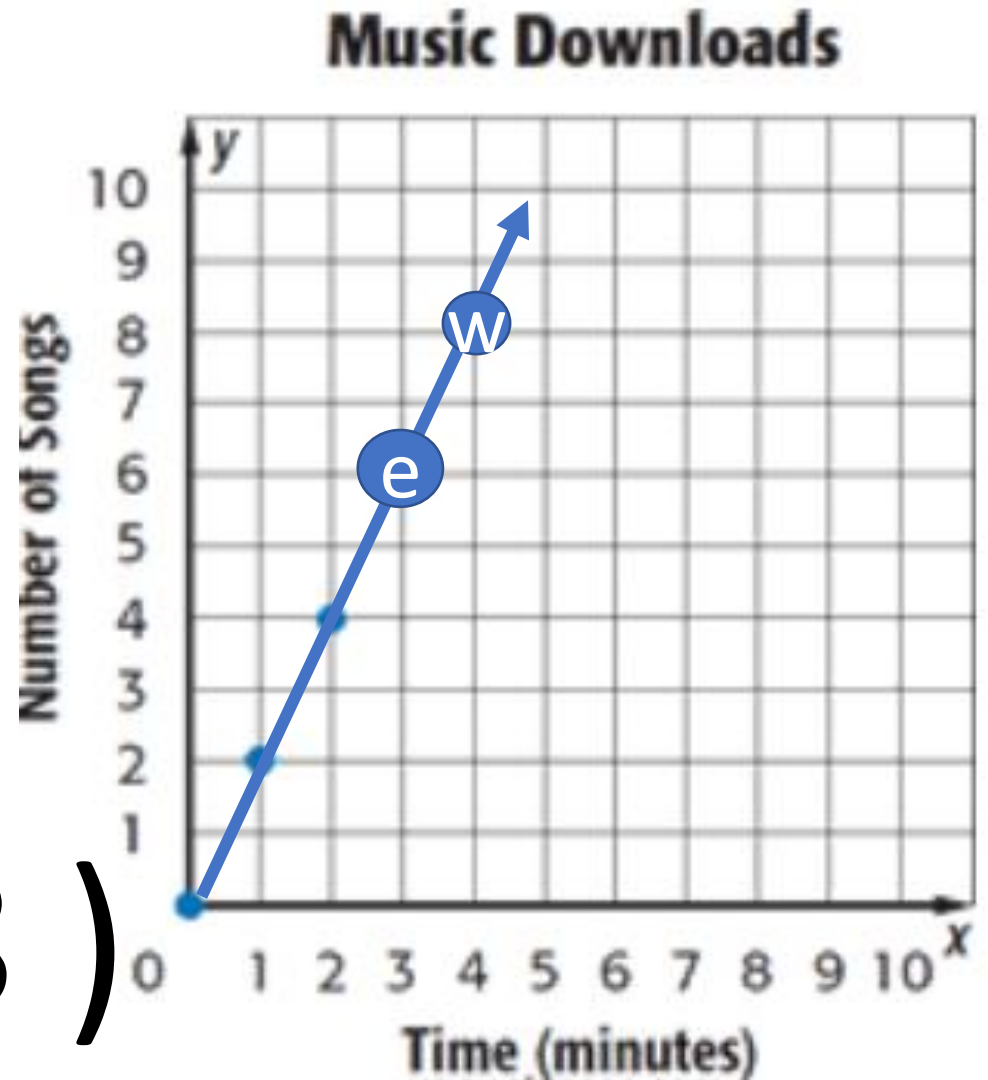
How many songs can be downloaded in 3 minutes?

$(3, 6)$

Page #13
Lesson 4.4

How long does it to

download 8 songs? $(4, 8)$



Today's New Vocab (3 of 4)

Solve algebraically (using substitution).

Is $(-3, -6)$ a solution?

$$y = 2x$$

$$() = 2()$$

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

$$-6 = -6$$

Yes, the last equation is **true**. So, the point $(-3, -6)$ is a solution because it is on the line and table.

Today's New Vocab (4 of 4)

Is the point $(-2, -1)$ a solution
to the equation $4y - 2x = 0$?

Page #14
Lesson 4.4

$$4(-1) - 2(-2) = 0$$

Can you use
the calculator?

$$-4 + 4 = 0$$

No, because it is not

$$0 = 0$$

$y = mx + b$.

The y is not alone.

Yes, $(-2, -1)$ is a solution,
because the last equation is true.

Work Period

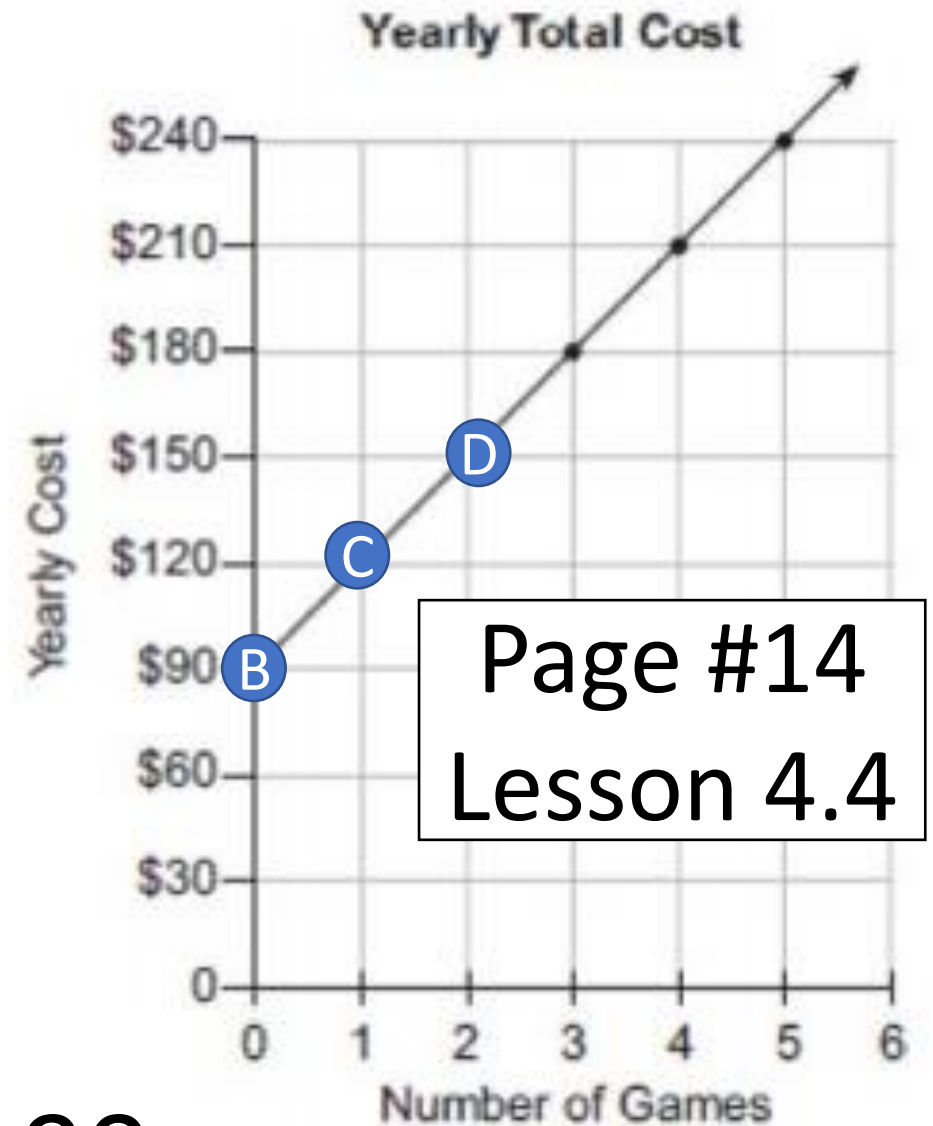
Write three points that are solutions for this graph.

$(0, 90)$ $(1, 120)$ $(2, 150)$

Explain what the point

$(3, 180)$ means “in context.”

The 3 games have a yearly cost of \$180



Write the equation. $y = 30x + 90$

Group Work Questions

Pages 15-16
Lesson 4.4

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 4.4 Notes.

1st Stop @ 8:16

*One person from each group will present one question.

Exit Ticket

(Minutes , Songs)

Is the point (4, 8) on
the line $s(m) = 2m$?

Page #14

Lesson 4.4

$$s(4) = 2(4)$$

$$s(4) = 8$$

Yes, the point is on the table.

So, 4 Minutes can be download
in 8 songs. (4,8) is on the line.

m	s(m)
0	0
1	2
2	4
3	6
4	8



Lesson 4.4 Game

A correct answer gets to roll the dice.

- * Get both sheets from the table.
- * Complete the maze correctly.
- * A correct answer and work get to roll the dice. Earn the amount \$ rolled.

You can use the calculator if... Y is by itself like in $Y = -3X+2$

(X, Y)

Substitute x number into x.
Substitute y number into y.