## Activator



## Today’s Objective

 Lesson 3.1Students will be able to graph lots of points in function notation.



# Today's New Vocab (2 of 4) 

$X$ positive is right. $X$ negative is left. $Y$ positive is up. $Y$ negative is down.

Page \#1 Lesson 3.1 Graph the points. $(x, y) \leftarrow$ Always
$(2,1)$ (2right, 1up)
$(4,-3)(4$ right, 3down)
(-3, 2) (3left, 2up)
(-1,-2) (1left, 2down)


# Today's New (3 of 4) 

Write the function as a point. Graph the point. Right Down
$F(7)=-5 \quad(7,-5)$
What point is this? $F$ $B(-4)=6 \quad(-4,6)$ What point is this? B


Today’s New Vocab (4 of 4) Write the points in function notation.


## Group Wars

What is $G(3)$ and $F(4)$ using substitution?
$G(x)=-2 x \quad F(x)=x-7$
$G(3)=-2(3) \quad F(4)=(4)-7$
$G(3)=-6{ }_{\substack{\text { Peson \#2. }}}^{\text {Pag }} \mathrm{G}(4)=-3$
$(3,-6)$ The point is... $(4,-3)$

## Group Work Questions

Pages 3-4 Lesson 3.1

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

## Tuesday, we did Lesson 3.1 Notes.

*One person from each group will present one question.

## Exit Ticket

Graph the table and write the functions.

| X | Y | Lesson 3.1 |
| :---: | :---: | :---: |
| -3 | -6 | $F(-3)=-6$ |
| -2 | -4 | $G(-2)=-4$ |
| 1 | 2 | $H(1)=2$ |
| 2 | 4 | $J(2)=4$ |



