Function Notation Explore-Class Notes



Name ______Period ____

Complete the following notes as your class discusses the Function Notation Powerpoint.

Slide 2
If a relation is a TONOTOM, its equation can be written in a form called
tunation notation
Slide 3
The dependent variable is a function of the independent variab
is a function of X
S d vanction of F
Slide 4
How did we re-write Fred's equation info function notation?
Pinfreds saurge act depends on \$25 perdayplus \$100 in act
\$ in Freds account is \$25 penday plus \$100
f(x) = 25.0 x + 100
f(x) = 25x + 100
/(x) - LOX + 100
Slide 5
How do you say that?
When the equation $4 = 25 \times + 100$ is written in function notation $4 \times -25 \times +100$
you would say for x equals, instead of y equals.
Slide 6
Note: You do NOT have to use the letter "f" to write an equation in function notation. You may use any letter.
For Example:
George: Marty: Sarah:
9(h)=8h+20 m(t)=15+36 5(s)=6r

You can think of a function as an Inout - output machine. For Fred's savings,

f(x) = 25x + 100, if you have an input of X, the output is 25X + 100

If Fred wanted to know how much money he would earn by working δda_{is} , he would input

and find the output. This is called <u>EValuating</u> the function

Slide 8

You can evaluate equations in function notation just like you evaluate expressions. (USING FSS)

Example: (F) f(x) = 25x + 100, find f(4).

Finding f(4) means, find the another of many after he worked 4 alack

Slide 9

Now try these:

$$g(c)=c^2+2c+6$$

Find: q(-1)

$$(5)g(4)=5$$

$$h(v) = 7 - 6v$$

h(4)