









WOULD THIS BE A FUNCTION?

- Input = student in this class
- Output = desk label of the student's assigned seat

Yes, each input has only 1 output.



WITH YOUR GROUP:

- Decide whether each of the relationships are functions. EACH PERSON should be able to explain each one, so discuss well!!!
 Input = Facebook user, Output = password
- Input = racebook user, output = password
 Input = student, Output = the student's hair color
- 3. Input = student in our class, Output = planet he/she lives on
- 4. Input = word, Output = # of letters in the word
- 5. Input = word, Output = a letter that is in that word
- 6. Input = month, Output = # of days in the month
- 7. Input = # of days in the month, Output = month
- 8. Input = date, Output = temperature outside
- 9. Input = any integer, Output = double that integer

1, 3, 4, 9 are functions

2, 6 could be, depending on how you interpret the problem

















IMPORTANT

of(x) <u>DOES NOT MEAN</u> "f times x"

of(5) means "What do you get when you plug "5" into the function "f"?"











• Write a rule in function notation to model the situation. Describe what the input and output represent.

• A moving company charges \$130 for truck rental plus \$1.50 per mile driven.

f(x) = 130 - 1.50x

Input: # of songs downloaded Output: amount of money spent (or amount of money he has left) HOMEWORK Worksheet