

### SECTION 3.3: FUNCTION NOTATION

Homework: \_\_\_\_\_

#### Learning Targets:

- 3d. Understanding of how to use function notation to evaluate
- 3e. Understanding of how to graph a linear function using tables, intercepts, and slope-intercept form.

Function Notation: \_\_\_\_\_, where  $x$  is the \_\_\_\_\_ and  $f(x)$  is the same as \_\_\_\_\_, which is your \_\_\_\_\_.

Evaluate  $f(x) = 3x + 4$  when  $x = -2$  and  $x = 3$

Let  $f(t)$  be the temperature ( $^{\circ}\text{F}$ ) outside after  $t$  hours after 6:00am. Explain the meaning of each statement

$$f(2) = 44^{\circ}\text{F}$$

$$f(0) = 54^{\circ}\text{F}$$

$$f(14) = 72^{\circ}\text{F}$$

$$f(3) < f(7)$$

#### Graphing Linear Functions using an Input-Output Table

1. Create a table with 3 – 5 input values
2. Plug those input values into the function to find the output values
3. Graph the points (input, output)

input		-2	-1	0	1	2
output						

