

Using Functions in every day life

- * Let's say you are offered 3 different Jobs, all with different pay.
- * These Jobs pay can be represented by functions.
- * The input, or variable (x) for these functions stands for the # of Hours you work a week. When you plug the hours you worked into the functions, the function value, or # that comes out is the money you make in 1 week.

Job 1 represented by
Sales the function
 $P(x) = 25x + 355$

Job 2
Business
man $g(x) = 35x + 150$

Job 3
Typical
9-5 $f(x) = 39x$

* After Seeing the functions, in groups of 3-4 fill out a table for all three functions

x	
10	
20	
30	
40	
45	

* After filling out the 3 tables, I want you to answer the following questions.

① Which job would be the best if you planned on working 10-20 hours?

② Is Job #2 the best option if you plan to work 30 hours? Why, or Why not?

③ If you want to make Big \$\$\$, working 40-45 hours, which job is the best? Explain?