NAME _____

Date _____ Period_____

Section 3.3

ALGEBRA

Substitution ("Plugging In"): Practice B

1. Rewrite the following equations in fancy notation

a) $y = 2x - 4$ b) $y = 7x - 6$ c) $y = 6x - 1$ d) $y = 2x - 12$

2. Rewrite each point in f(x) notation

a. Example: (4, 1) b) (3, 2) c) (0, -2) d) (5, 2)
f(4) = 1

3. Given f(x) = 3x + 2, determine if the following statements are true.

a) f(2) = 8 b) f(3) = 7 c) f(1) = 5 d) f(0) = 2

4. The pizza delivery guy charges a flat rate of $2 plus $8 per pizza.

a. Write an equation to show how much money (y) is charged to deliver x pizzas.

b. How much will they charge to deliver 5 pizzas?

c. How many pizzas can you get delivered for $18?

5. Equation: f(x) = 4x – 3. What does f(x) equal when x = 2?

What does f(x) equal when x = 0?

What does f(x) equal when x = 3?

6. The function f(*x*) = 3*x* – 8 represents the amount of candy in a store. What is f(9)? (Hint: plug in 9 for *x* and solve)

7. If you have function f(x) = 10x + 2 what is f(4)?

What is f(3?

What is f(-2)?