Aldine 9: Algebra Homework #23		Assigned	Due
www.aldine9math.weebly.com		A: 11/7 Fri	A: 11/11 Tues
Name:	Period:	B: 11/10 Mon	B: 11/12 Wed

1) What is the function rule for this table?

x	f(x)
4	8
6	16
7	20
10	32

A $f(x) = 2x$

C $f(x) = 4x - 8$

B $f(x) = 3x - 4$

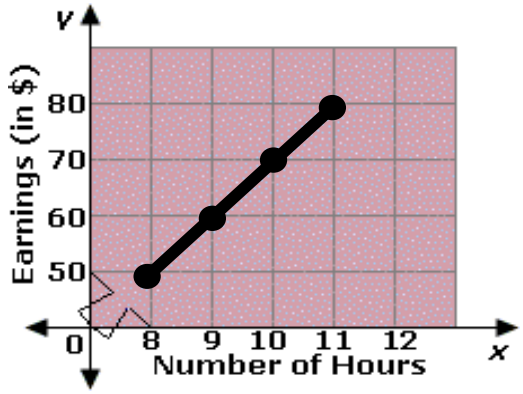
D $f(x) = x + 4$

2) What is the domain of $f(x) = 2x - 3$, if the range is 19 ?

Hint: domain is # in, range is # out

F x = 11
G x = 35
H x = - 4
J x = 9

Use the graph below to answer #3 and #4.



3) What is the domain and range of the graph?

Domain: _____

Range: _____

4) Circle the independent quantity: Hours Earnings

5) What is the function rule for the table?

Weeks (w)	*$ in Bank*
3	$160.00
5	$200.00
6	$220.00
8	$260.00

f(w) = _____

6) How much in the bank after 10 weeks?

7) Distribute and Combine Like Terms

$4 (x - 5) - (3x + 8) + 2 (3x + 1)$

8) Circle all the points below that would be on a graph of the function f(x) = 3x - 5.

Hint: (x , y) = (input , output)

(3, 4)	(10, 25)
(0, 1)	(2, 0)
(4, 17)	(6, 13)