

Algebra I

Tuesday 10-30-12

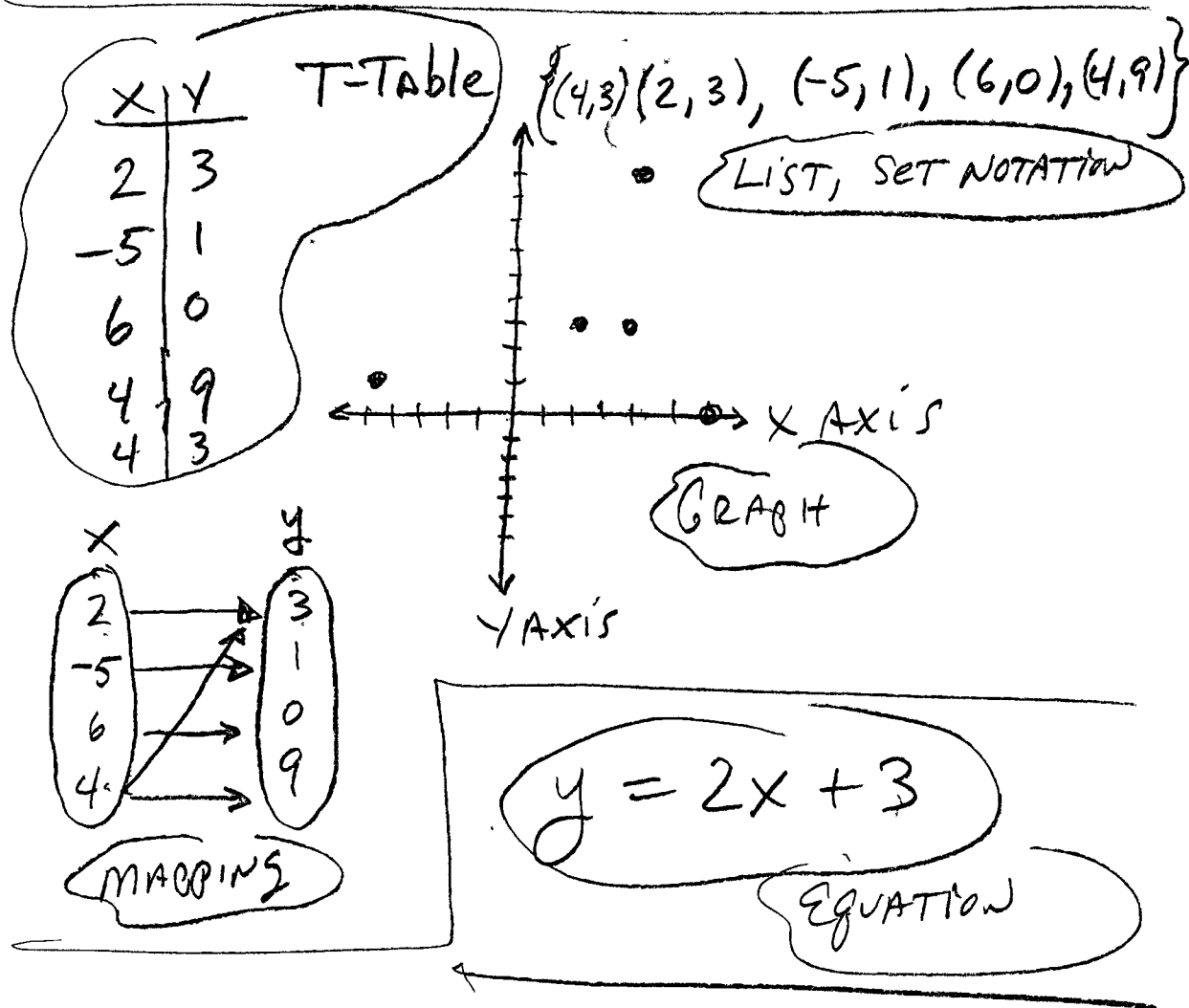
Class Notes

ordered pair (x, y)

↑
first number

RELATION

A SET OF ordered pairs



WAYS TO SHOW A RELATION

* function

THIS IS "b.s.s.i.e."

A relation where each
X can only be paired
with one y.

Ex

X	Y
2	6
3	9
7	6
4	3
2	1

NOT A
FUNCTION

Ex

X	Y
2	6
3	9
7	6
4	3
2	6

YES, A
FUNCTION

Ex

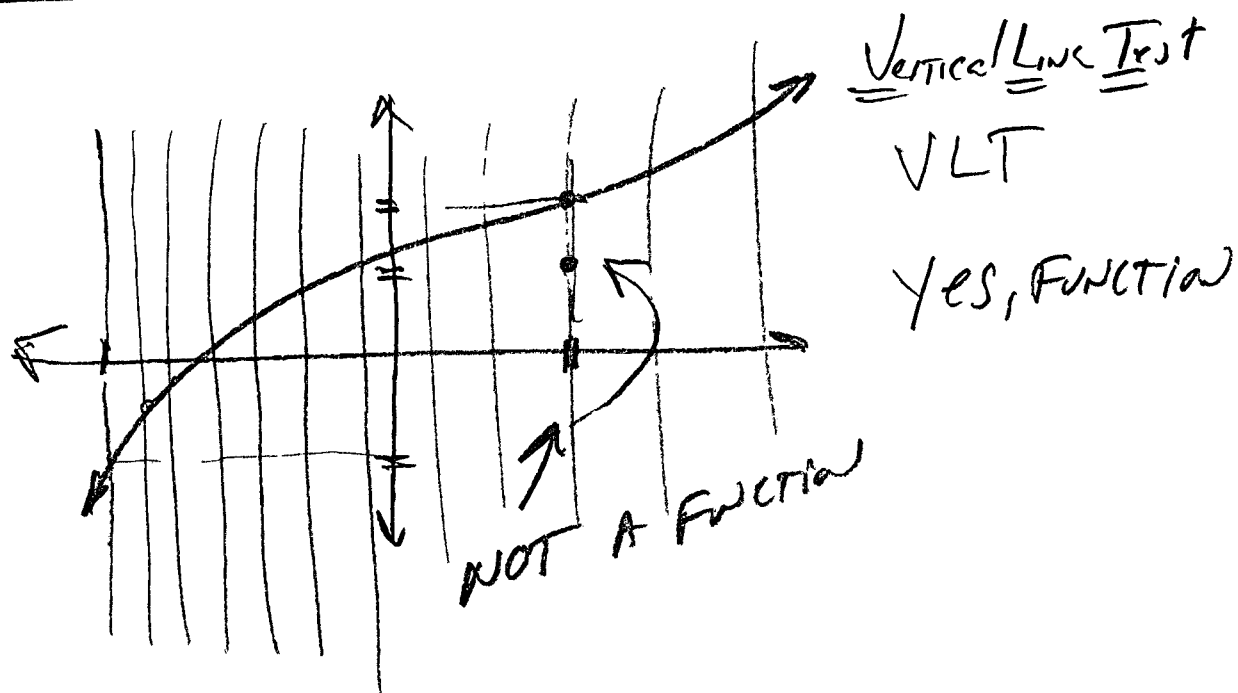
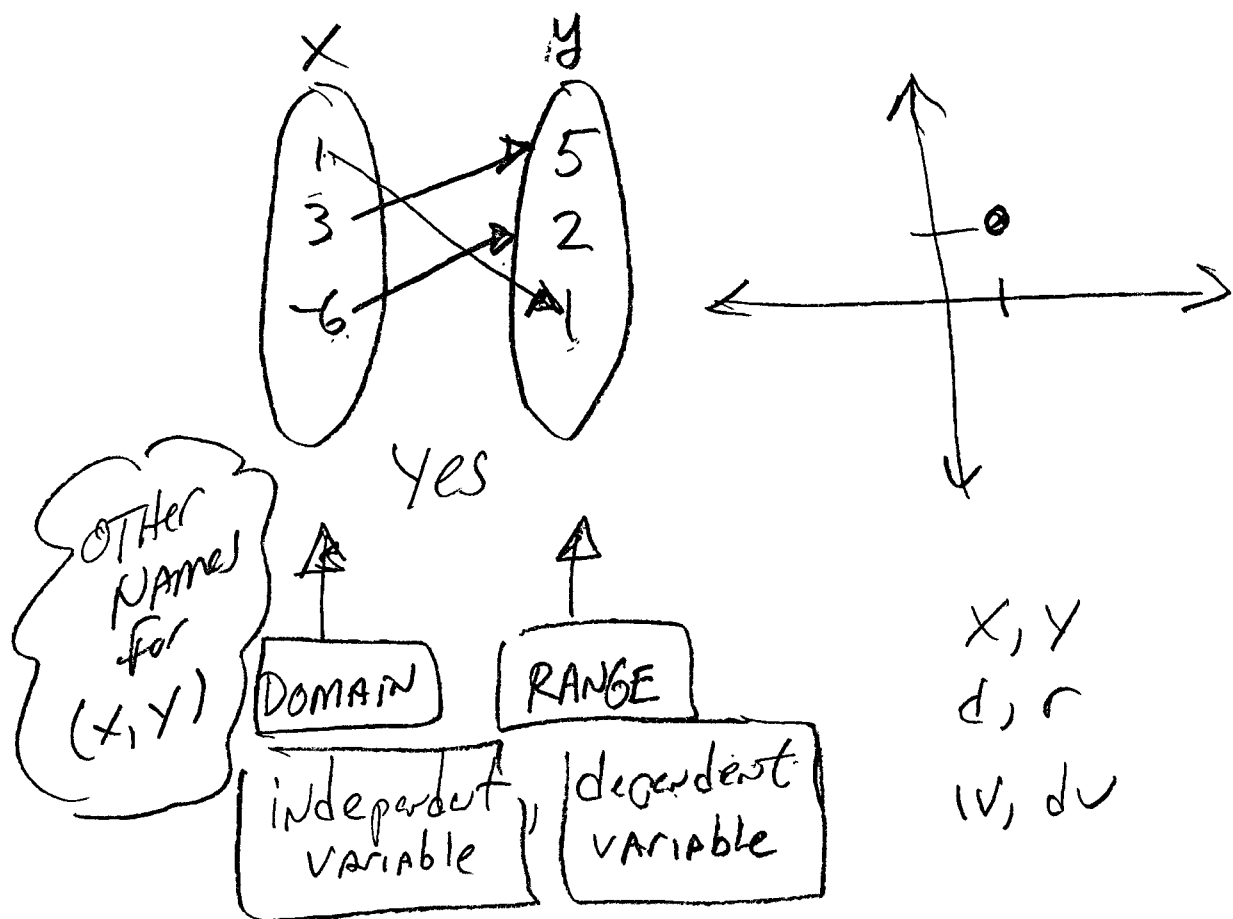
X	Y
2	6
-2	3

YES, A FUNCTION

Ex

X	Y
2	6
-2	6
3	6
1	6
0	6

YES, FUNCTION



Ex $(2, 6), (3, 9), (5, 7), (3, 6), (2, -1)$

NOT FUNCTION

Ex $(5, 3), (7, 6), (2, 3), (4, -1), (0, 0)$

Yes, FUNCTION

Ex $(3, 2), (5, 2), (7, 2), (0, 2)$

Yes, Function