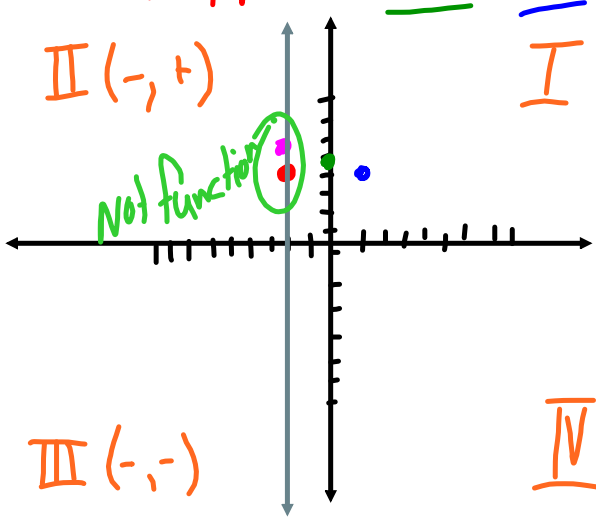


**Do NOT move the desk!!**  
**Turn your phone OFF!!**  
**Put your phone up!!**  
**Sit down!!**  
**Be quiet!!**  
**Prepare to work!!**  
**Keep your hands to yourself!!**

Softbook - Pg. 31

# Functions

Input, $x$	-2	0	1	-2
Output, $y$	4	5	4	5
		<u>5</u>	<u>4</u>	<u>5</u>
II (-, +)			I (+, +)	

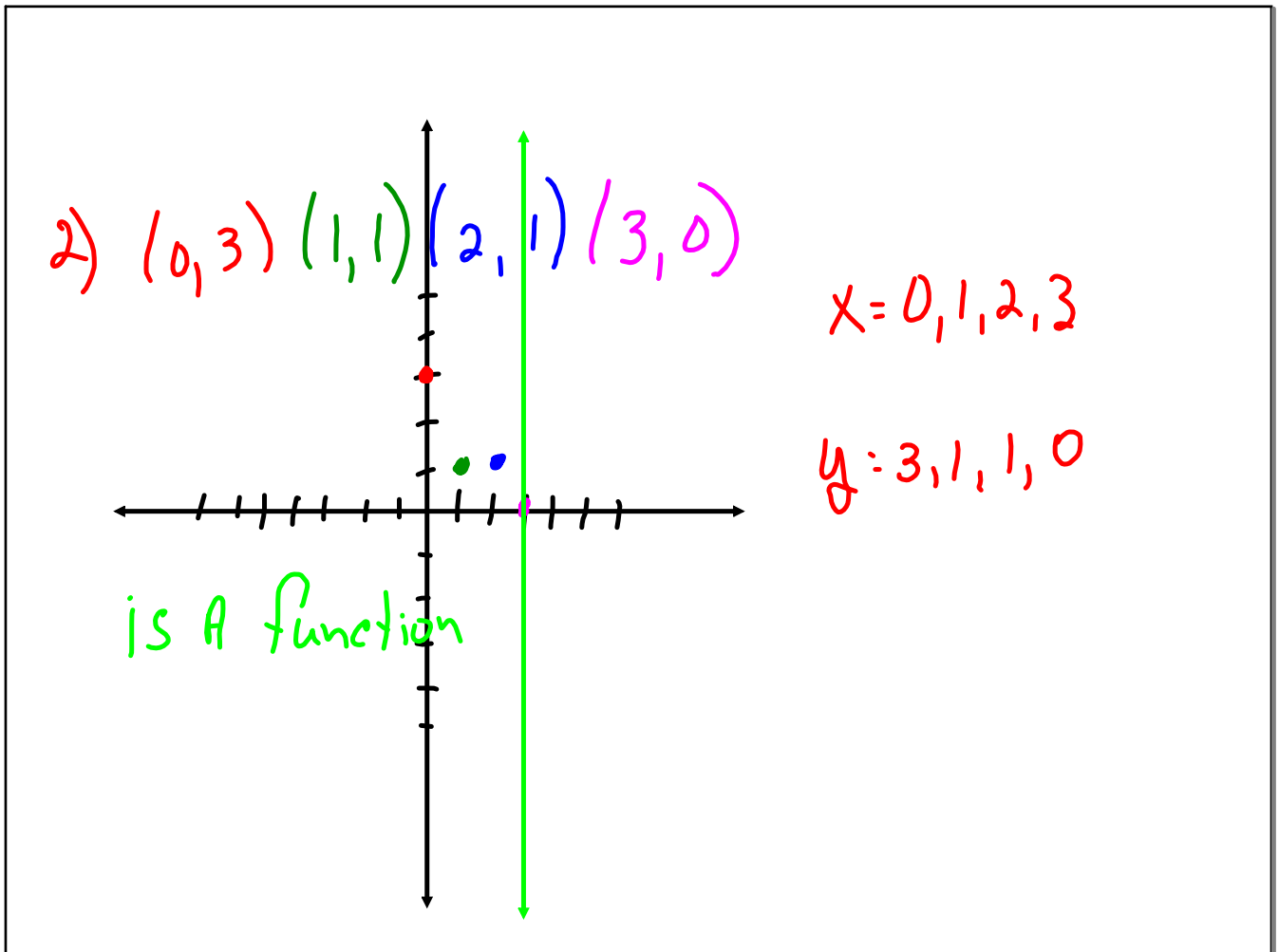


$$2x + 3 = y$$

if  $x = 4$

$$2(4) + 3 = y$$

$$11 = y$$



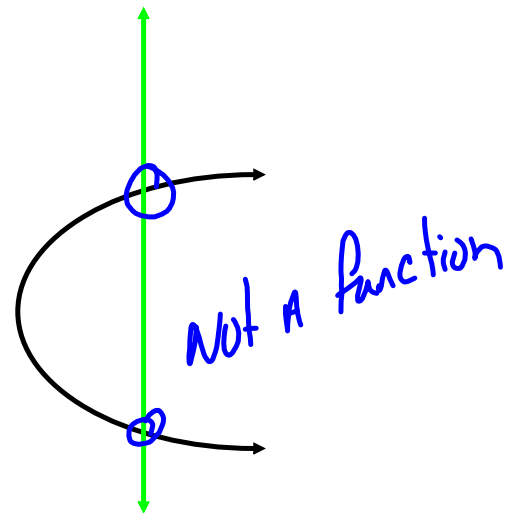
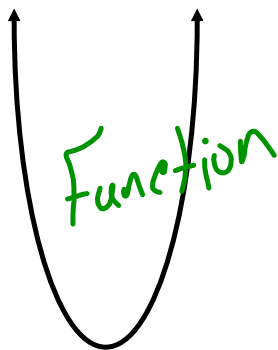
~~2)~~  $(-1, 0)$   $(3, 2)$   $(2, 3)$   $(4, 0)$   $(0, 0)$

$x = -1, 3, 2, 4, 0$

Function

3)  $(0, 2)$   $(1, 1)$   $(2, 2)$   $(2, 3)$   $(3, 3)$

Not A Function

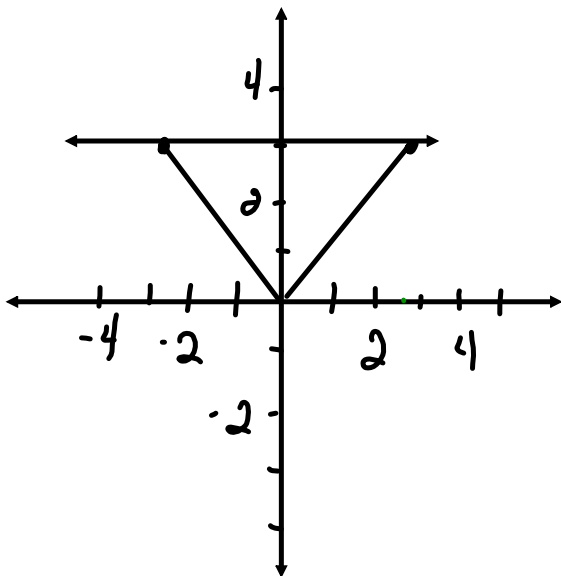


$$5) (\underline{0}, \underline{4}) (\underline{1}, \underline{4}) (\underline{2}, \underline{4}) (\underline{3}, \underline{3}) (\underline{4}, \underline{3}) (\underline{5}, \underline{3})$$

$$\text{Domain} \Rightarrow \{0, 1, 2, 3, 4, 5\}$$

$$\text{Range} \Rightarrow \{3, 4\}$$

6)



$$\text{Domain} \Rightarrow \{x \mid -3 \leq x \leq 3\}$$

$$\text{Range} \Rightarrow \{y \mid 0 \leq y \leq 3\}$$

