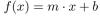
A	fu	nction	of	$^{ ext{th}}$	е	form:	
	. /	\			7		



where m and b are constants, is called a <u>linear function</u>.

Example: Find solutions to the linear function $f(x) = -3 \cdot x + 6$

Recall: A solution of a function y = f(x) is a pair of numbers (x, f(x)) OR (x, y) that makes the equation true.

x = 0

f(x) =

(,) is a solution

x = 1

f(x) =

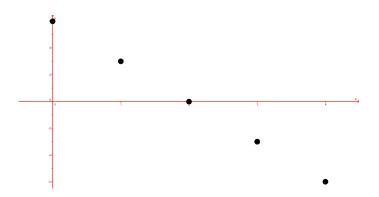
(,) is a solution

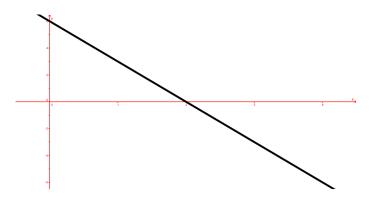
x = 2

f(x) =

(,) is a solution

x	0	1	2	3	4
f(x)					



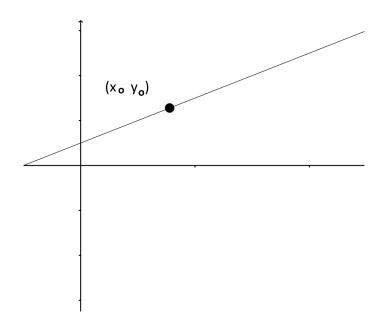


y-intercept: x = 0

x-intercept: y = 0

Note: The y-value of the y-int appears as the constant of $f(x) = -3 \cdot x + 6$

Slope = mPoint : (x_o, y_o)



$$m = \frac{y - y_o}{x - x}$$

Point-Slope Form

An equation for a line with slope =m and a point (x_o,y_o) is:



	Linear Functions Recap
Slope-Intercept Form:	
Slope = Rate of change =	
y-intercept:	
x-intercept:	
Point-Slope Form: where (x_o, y_o) is a point on the	he line.