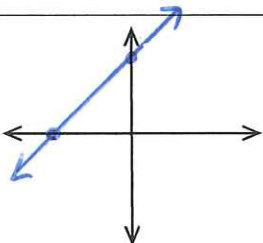
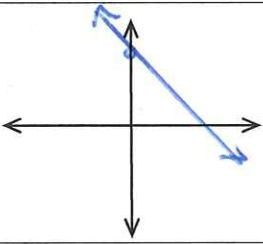
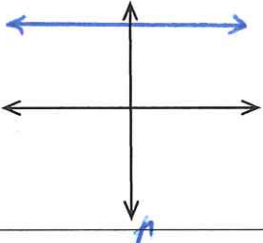
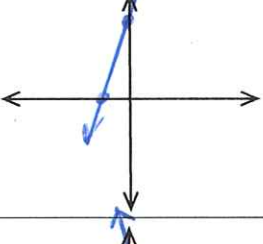
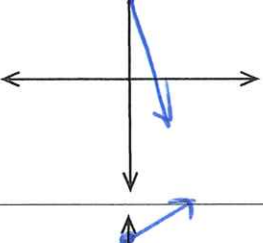
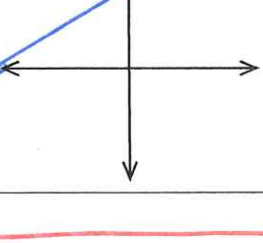
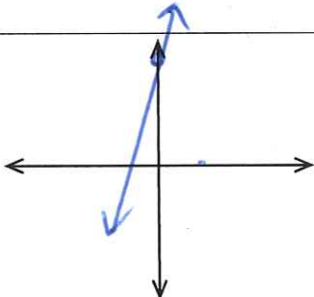
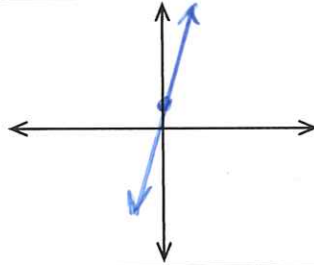
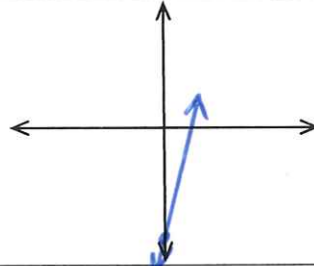
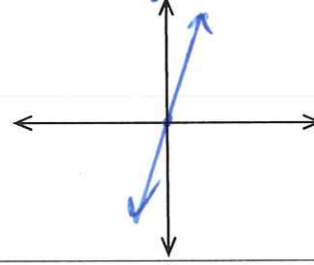
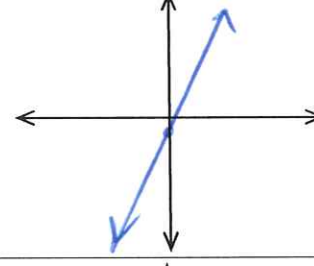
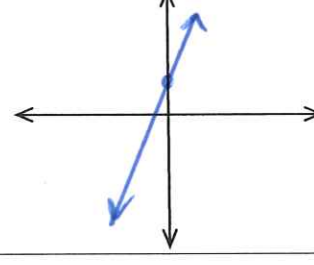


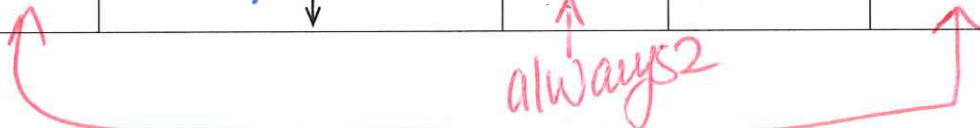
**6.3 Math Lab: Investigating Graphs of Linear Functions**

Equation	Value of $m$	Sketch of Graph	Slope of Graph	x-intercept	y-intercept
$y = x + 6$	1		1	$(-6, 0)$	$(0, 6)$
$y = -x + 6$	-1		-1	$(6, 0)$	$(0, 6)$
$y = 0 \cdot x + 6$ $y = 6$	0		0	none	$(0, 6)$
$y = 2x + 6$	2		2	$(-3, 0)$	$(0, 6)$
$y = -2x + 6$	-2		-2	$(3, 0)$	$(0, 6)$
$y = \frac{1}{2}x + 6$	$\frac{1}{2}$		$\frac{1}{2}$	$(-12, 0)$	$(0, 6)$

$m$  represents slope!

all  $b$

Equation	Value of $b$	Sketch of Graph	Slope of Graph	x-intercept	y-intercept
$y = 2x + 6$	6		2	$(-3, 0)$	$(0, 6)$
$y = 2x + 1$	1		2	$(-\frac{1}{2}, 0)$	$(0, 1)$
$y = 2x - 6$	-6		2	$(3, 0)$	$(0, -6)$
$y = 2x + 0$	0		2	$(0, 0)$	$(0, 0)$
$y = 2x - 1$	-1		2	$(\frac{1}{2}, 0)$	$(0, -1)$
$y = 2x + 2$	2		2	$(-1, 0)$	$(0, 2)$


  
*always 2*
  
*b is y-intercept.*