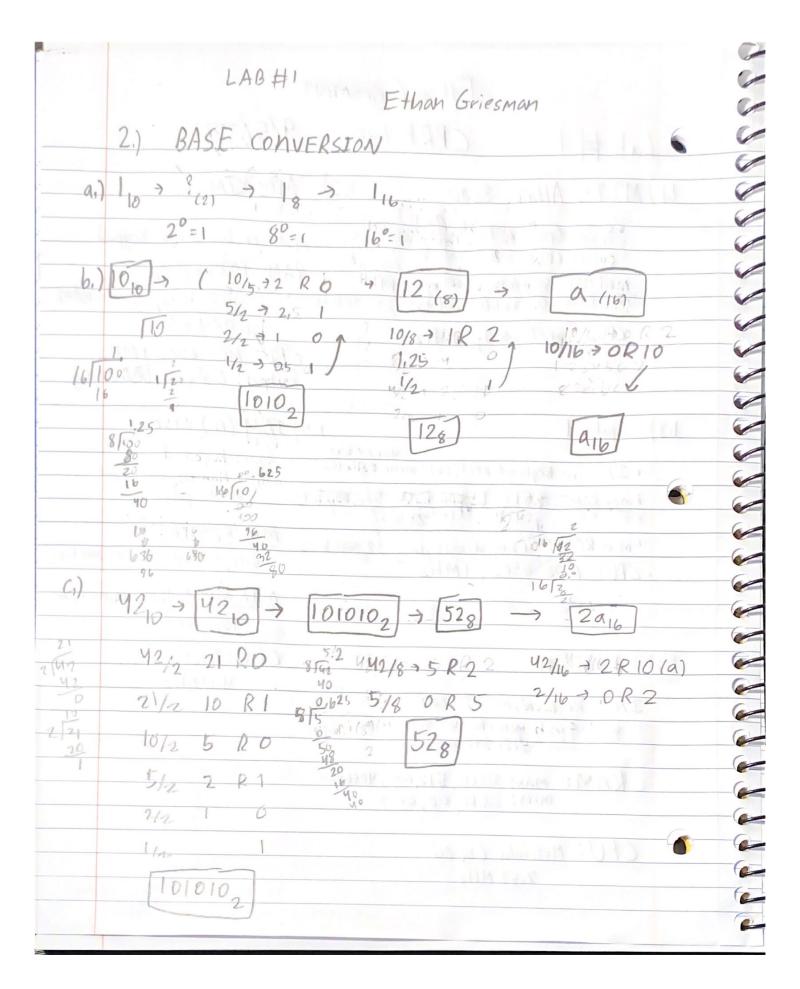
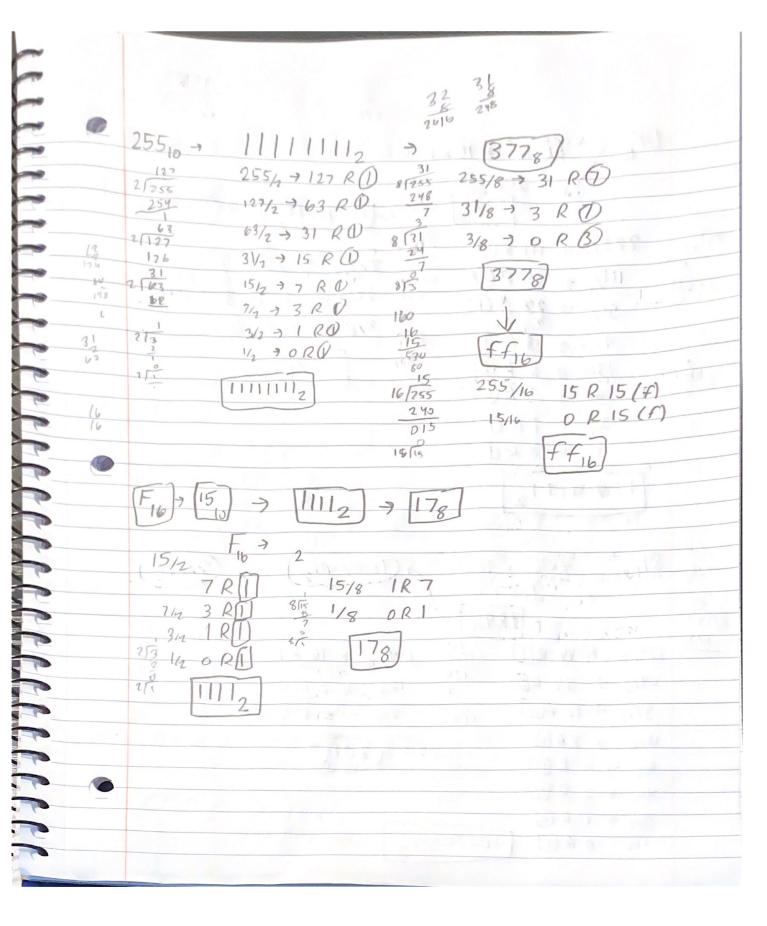
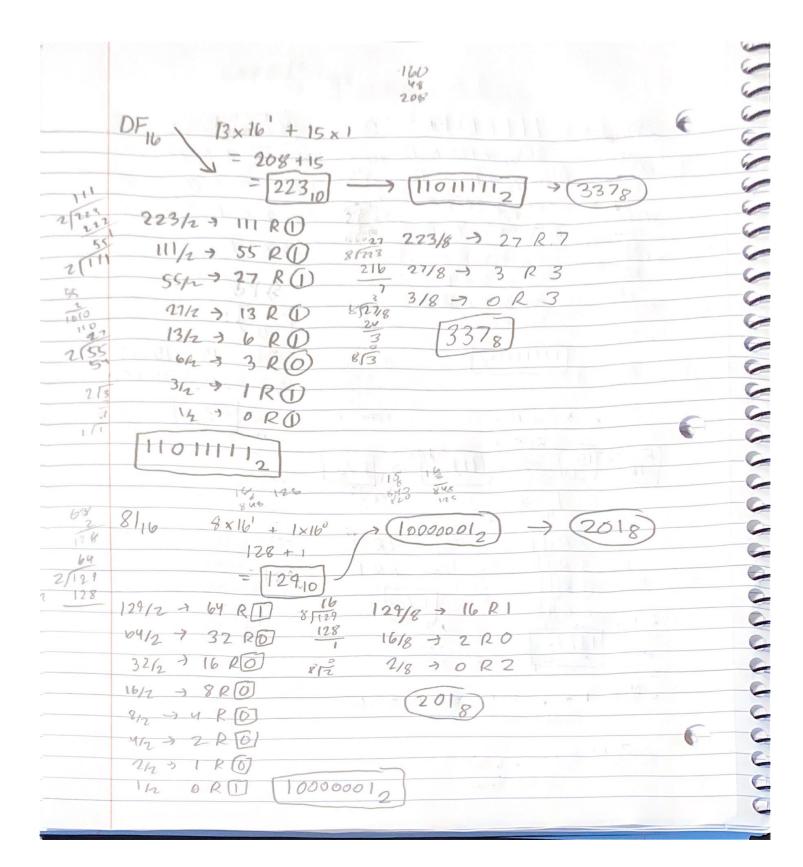
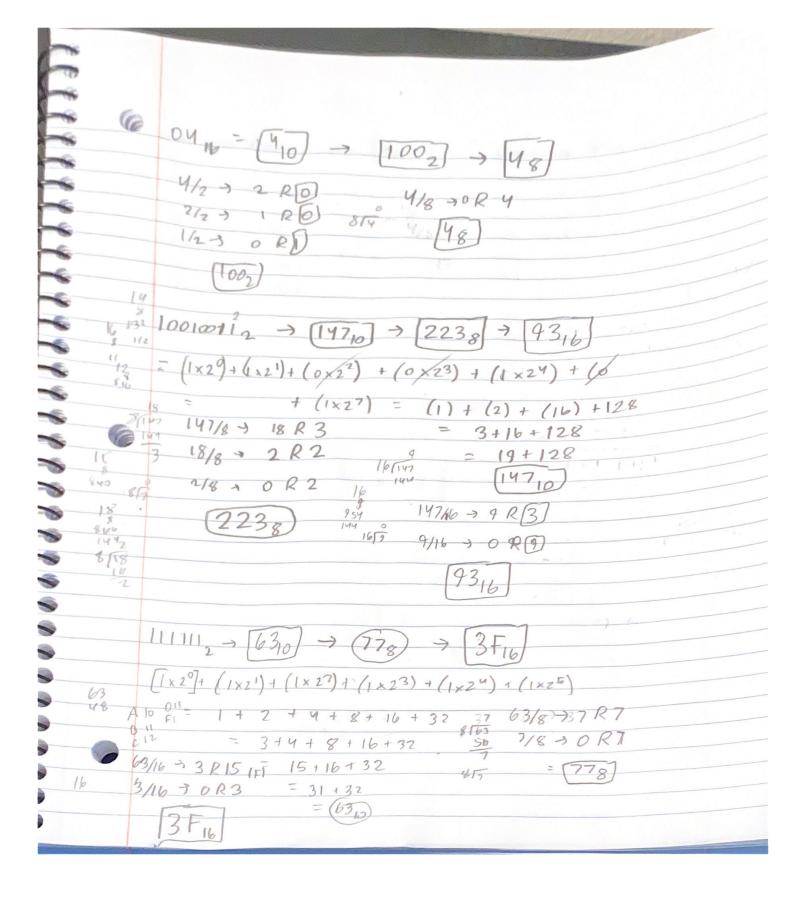
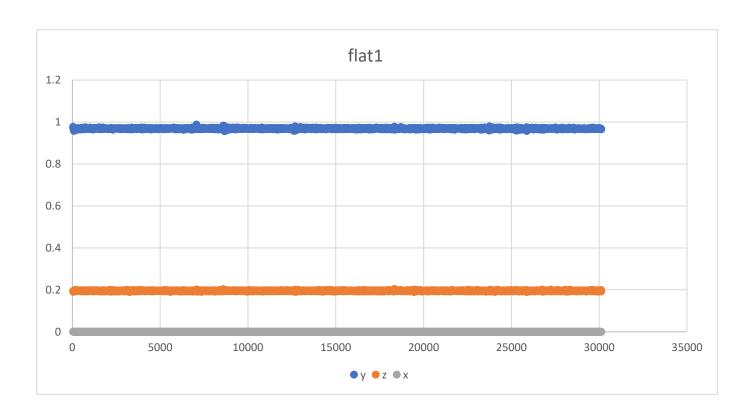
G		
-6	Ethan Griesman	
6	Lab HI CPRE 185	
		1/5/2022
	MITS Altair 8800 1.2) MOSKIM-1	
	input: Sense Switches, Front panels in	ovt: on board hex keypad
C	Output: LEDS	AM: 1024 bytes,
-	maxRAM: 512,000bits, 64,000 bytes, 64 KB min RAM: 0,256 KB, 256 bytes, 2048 bits	8192 bits, & Min RAM
-	CPU! intel 8080, 2MHz	1.024 KB
-		PV: MOS 6502 IMHZ
		output: 6 digital LED display
11	3) Apple 1 1.4.	IBM (PC) 5150
7	• I/O in: Keyboard post; out: mono 280×192	input: Keyboard
5	max RAM: 65 KB, 65,000 bytes, 520,000 bits	cassette player
7	' Min RAM! 4 KB, 4,000 bytes, 32,000 bits	MAX RAM: 640KB,
	· CPV: MOS 6502, IMHZ	640,000 Bytes, 5, 120,000 bit
	114(10, -) [52] - [2-	MIN RAM: 16KB, 16,000 By te
		128,000 bits
l,	5) Macintosh	CPU: Intel 8088,
	I/o! Keyboord, movse; Scanner	. 4,77 MH2
	OUT: girch mono chrome screen	
	512x342 pixels	21/9/2/2
7	CRAM: Max: 512KB, 512,000, 4096000	
7)	Min: 120kB, OB, Obits	
	CPU: Motorola 68600	
	7.83 MHz.	

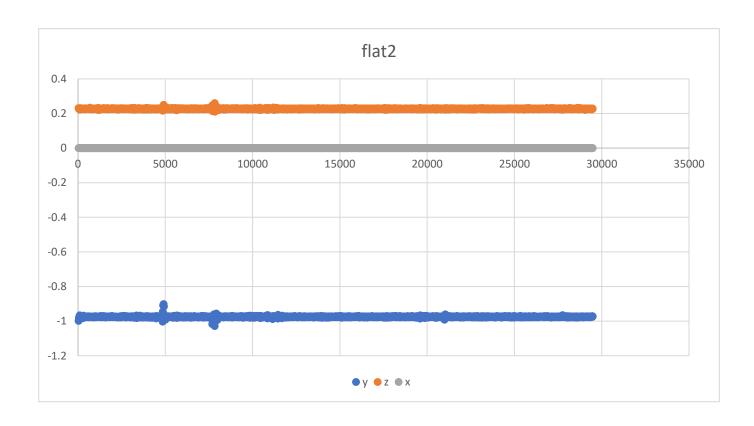


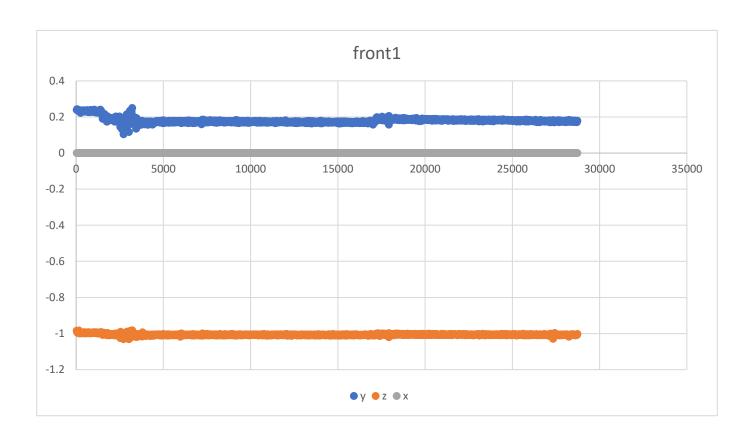


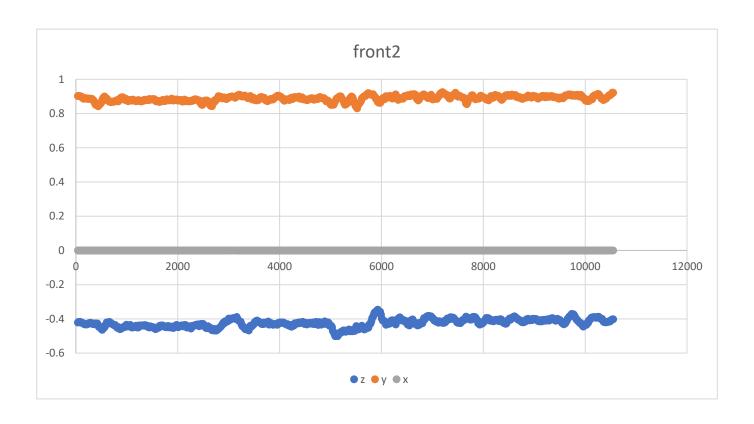


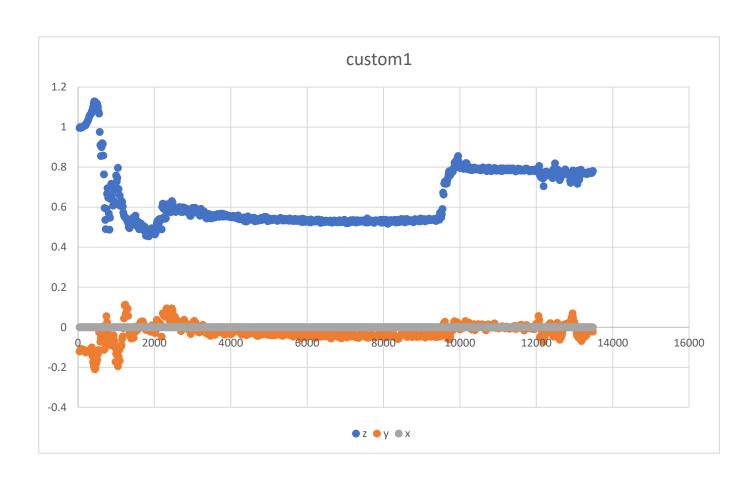


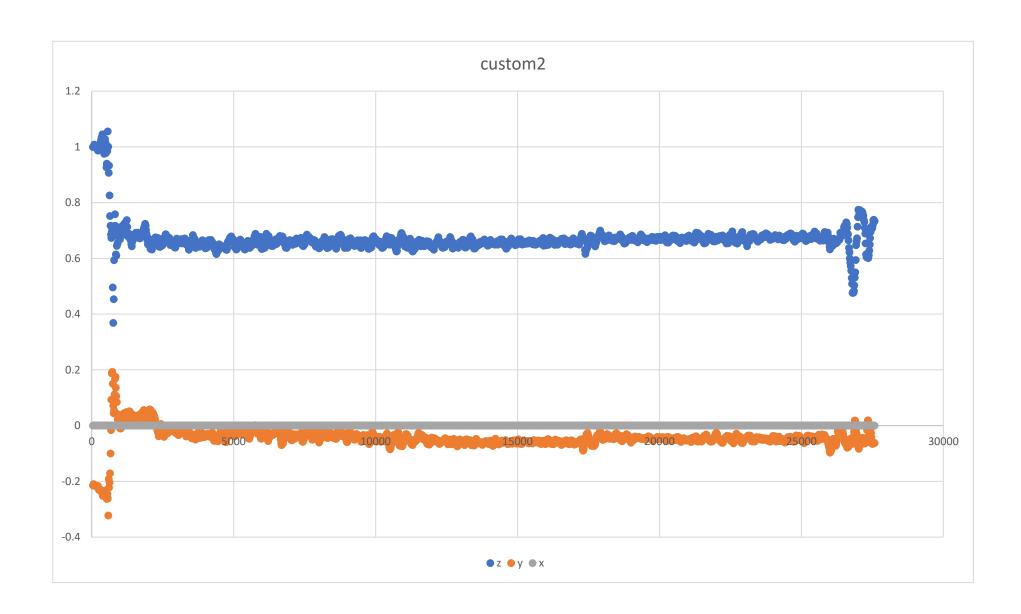












3. Exploration

- 1. What do you think each column of data represent?
 - Each column represents x, y, or z axis movement. The furthest left column represents a kind of time measurement (ms).
- 2. How does this relate the the flags (-t and -g) that you used?
 - Time and gyroscope orientation of joystick in x,y, and z
- 3. What unit of measure are the data in?
 - Degrees.
- 4. On each of your plots, explain what is going on. Try to understand why the graphs look like they do and then relate the graphs to what you did when you took the data. Label, on your computer or by hand (scan and include in your PDF), parts of the graphs and then describe what is going on.
 - Flat1: controller was lying flat on a surface,
 - Flat2: controller was horizontally flipped over, maintaining the same same x and y orientation.
 - Front1: controller was oriented to have lightbar facing up, keeping the same x but different y and z orientations
 - Front2: controller vertically flipped, keeping the same x but different y and z orientations
 - Custom1:
 - Custom2:

4. Joystick Calibration

- 1. What are you vertical and horizontal joystick equations? Are they similar or not? Why or why not? x/128, y/128
- 2. What did you find as the center point? Explain why it is or is not 0? Around 0.00061? And because the program would not be able to run properly if it were exactly 0, so it comes as close as possible for approximation purposes?
- 3. What could cause the center to not be 0? Being miscalibrated or being on a slightly slanted surface while recording data. That or the controller being in "drift" mode. Could also have something to do with USB connection to PC?
- 4. What could you change to make the center be 0? Make sure the surface is perfectly flat, doing multiple tests for each calibration, and then calculating data from each. Another option would be to have some way of holding the controller fixed in placed to minimize any sudden movements by hand.