DSO Worksheet

Yo	ur Name:	Signatu	re:
La	b partner(s):		
Co	urse & Section:	Station #	Date:
1.	What is your estimate of cm, mm or DIV?	of the accuracy to which you can make	ke measurements with your scope, in terms
	(units)		
2.	What is your measured square wave calibration		g divisions), with uncertainties, of the 1 kHz
	PERIOD =	± (units)	
	FREQUENCY =	±(u	units)
3.	What is your measuren	nent (by counting divisions) of the pe	eak-to-peak voltage of the calibration signal
	VOLTAGE =	±(units	s)
4.		axes. Also provide the period, freque	ll transformer, with appropriate scales on the ency and peak-to-peak voltage of the signal
		PERIOD = ±	(units)
		FREQUENCY = ±	(units)
		$V_{PP}=$ \pm	(units)
5.	What voltage did you r scope measurement? (with your DMM? Is this consistent with the
	DMM VOLTAGE = _	±	_ (units)

6.	Sketch your Lissajous pattern(s) at 60 Hz. (You should make more than 1 plot to show how this pattern changes during your observation.)
7.	Sketch the pattern at 120 Hz.
8.	What frequency between 60-120 Hz gives another clear Lissajous pattern?
	± (units)
9	Sketch the nattern at this intermediate frequency
9.	Sketch the pattern at this intermediate frequency.
9.	Sketch the pattern at this intermediate frequency.
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9.	Sketch the pattern at this intermediate frequency.
9.	Sketch the pattern at this intermediate frequency.
9.	Sketch the pattern at this intermediate frequency.
	Sketch the pattern at this intermediate frequency. What conditions are necessary to observe Lissajous patterns?

(out of 30 points)

GRADE:_

GRADED BY _____

(TA's initials)