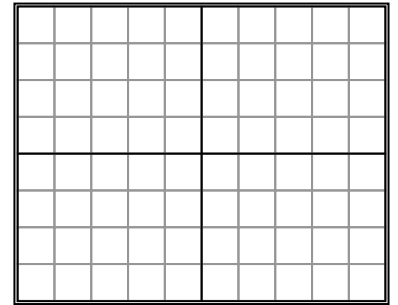


Name: _____

Date of Lab: _____

Lab Manual Steps:

8) Draw an excellent copy of your scope screen here →



9) Your voltage scale: _____ V_{pp} : _____ divs V_{pp} : _____ V

10) Your time scale: _____ T : _____ divs T : _____ ms

f_{calc} : _____ Hz $f_{Function\ Generator}$: _____ Hz

11) “Cursors”: V_{pp} : _____ V

12) “Cursors”: T : _____ ms f : _____ Hz

13) Your new voltage scale: _____ V_{pp} : _____ divs V_{pp} : _____ V

Your new time scale: _____ T : _____ divs T : _____ ms

f_{calc} : _____ Hz $V_{cursors}$: _____ V $f_{cursors}$: _____ Hz

14) “Measure”: V_{pp} : _____ V T : _____ μs f : _____ Hz

18) For the same signal, “Measure” on the scope: V_{RMS} : _____ V

Multimeter, set to ACV: V_{RMS} : _____ V f : _____ Hz

Convert from multimeter V_{RMS} : V_{pp} : _____ V

19) $f_{min} \approx$ _____ Hz, and was limited by which device: (Scope) (Function Generator)

$f_{max} \approx$ _____ MHz, and was limited by which device: (Scope) (Function Generator)

20) $V_{PP-min} \approx$ _____ mV, and was limited by which device: (Scope) (Function Generator)

$V_{PP-max} \approx$ _____ V, and was limited by which device: (Scope) (Function Generator)

21) Purpose of “duty cycle” knob: _____

22) Using BNC: V_{pp} : _____ V f : _____ MHz t_{upper} : _____ μs t_{lower} : _____ μs

23) Using Banana wires: T_{Bounce} : _____ μs

25) Disconnected banana wires: f : _____ kHz

What is the “real life” application that created this frequency? _____

(more on other side...)

