

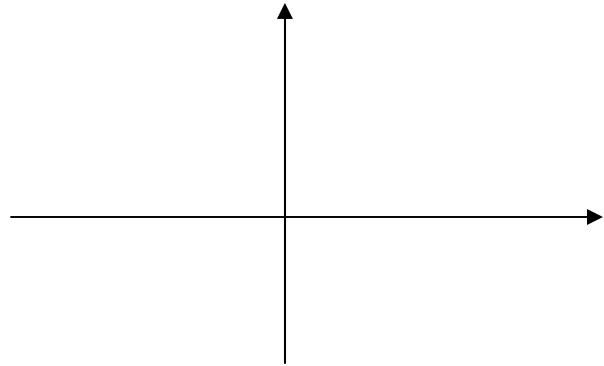
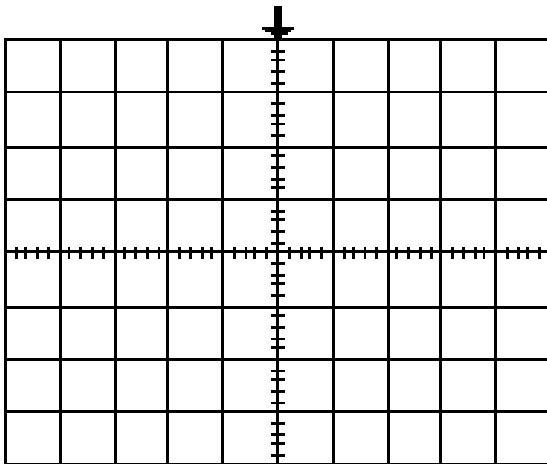
EE-100 Lab Report: **Basic CNN Cell Experiments**

Name: _____

TA: _____

Section: _____

1-a-b)



Input and output signal
The saturation value is $E_{sat} =$

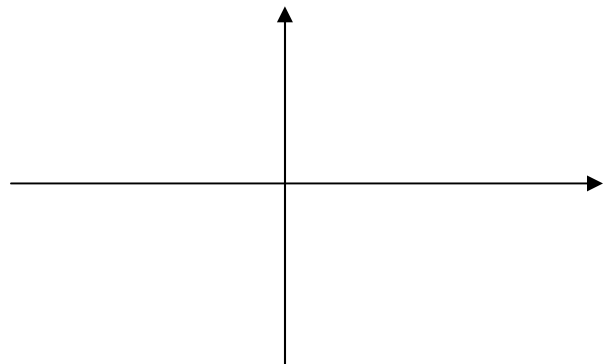
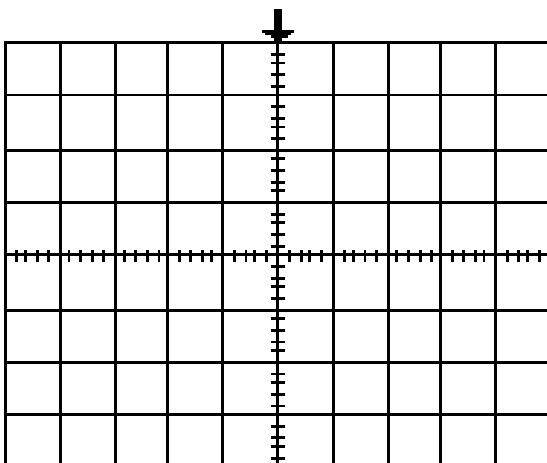
Transfer characteristic
the limit value is $E_{limit} =$

2-a)

	R=1k	R=470	R=100
Voltage [V]	Current [mA]		
1 V			
2 V			
3 V			

Current amplification $g =$
Observation:

2-b)



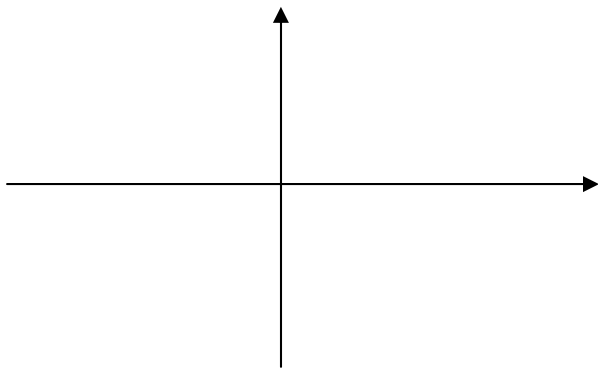
Observation:

2-c)

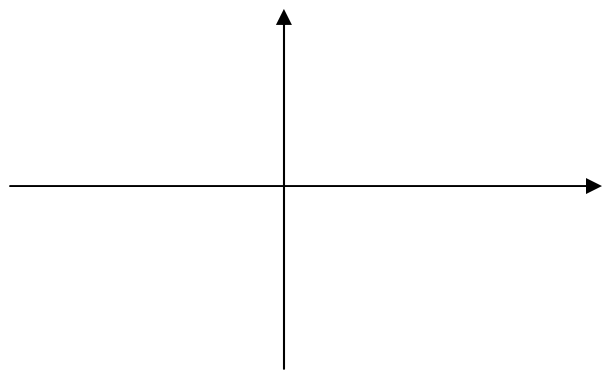
The maximum input voltage (if $R_x = 1k$) – calculation:

Measurement:

2-d)



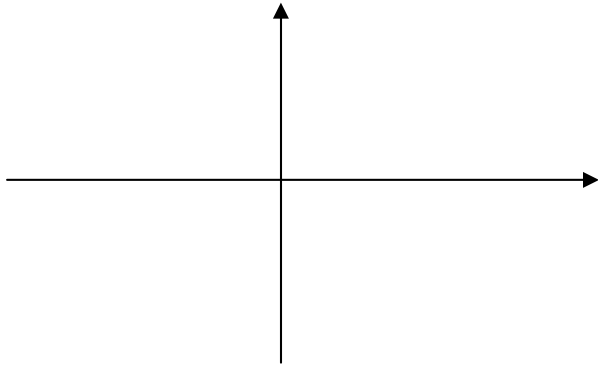
$f1 =$



$f2 =$

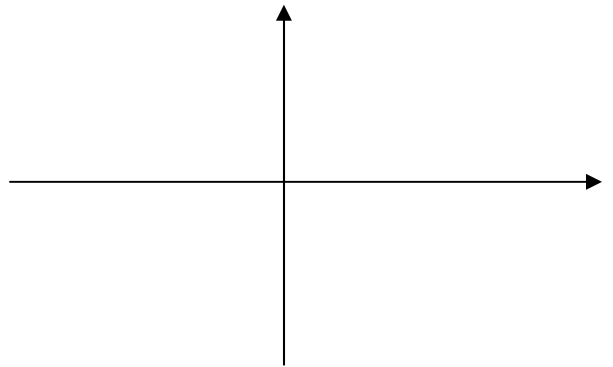
Observation:

2-e)



$f1 =$

Observation:



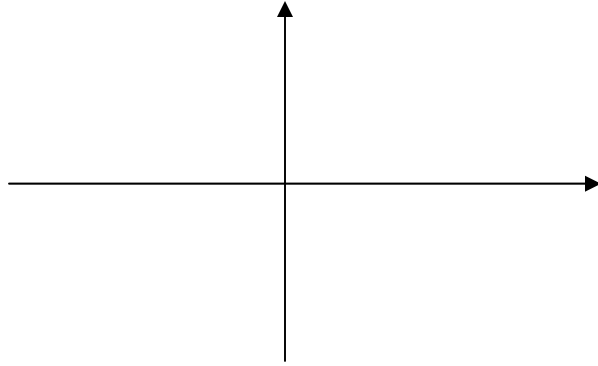
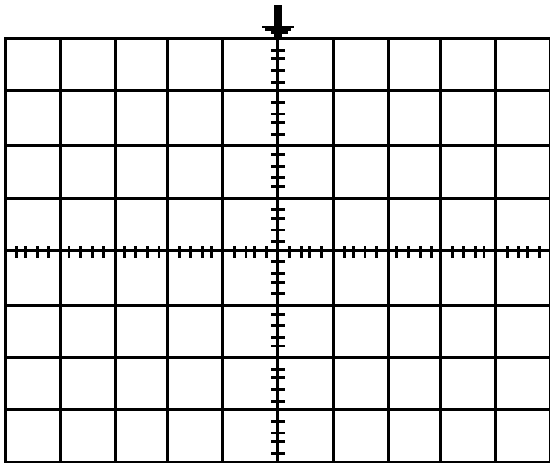
$f2 =$

3-a)

	Case A (inverter is not connected)	Case B (inverter is connected)
Output voltage (v_y)		

Observation:

3-b)



3-c)

