

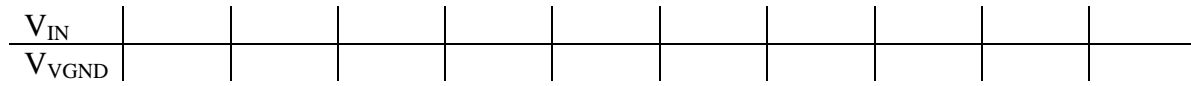
EE100 Lab Report: **Design Poor Man's Square Wave Signal Generator**

Name: \_\_\_\_\_

TA: \_\_\_\_\_

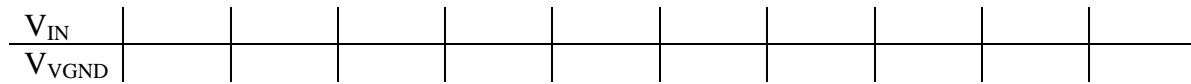
Section: \_\_\_\_\_

**1-a)** Record DC measurement values. For what range of input voltages is the virtual ground property is valid?



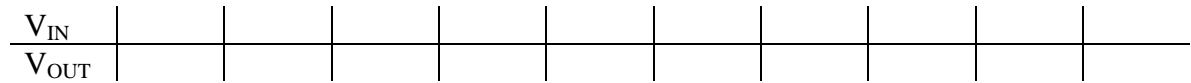
Validity range and condition:

**1-b)** Record DC measurement values.



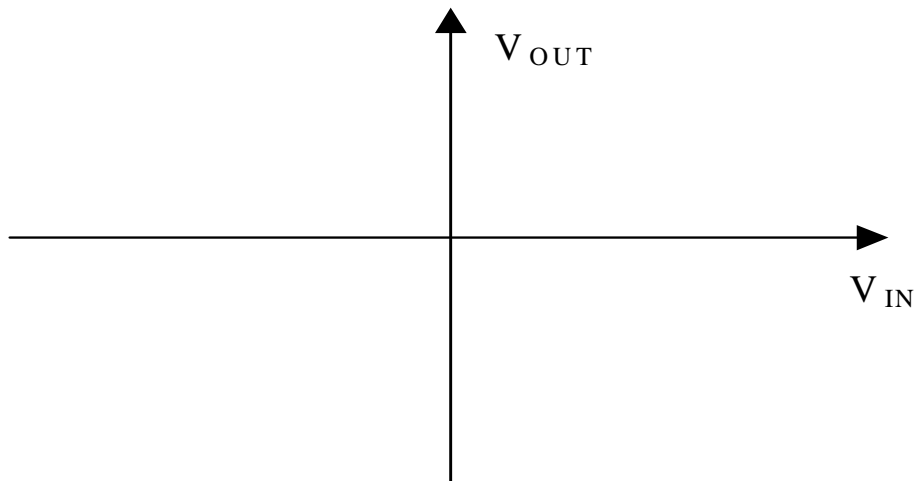
Necessary conditions for virtual ground property are : \_\_\_\_\_

**1-c)** Record DC measurement values.

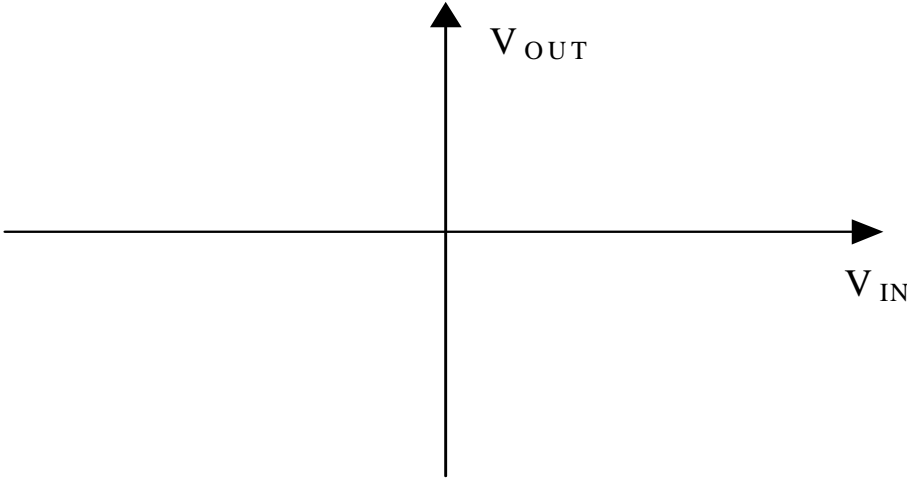
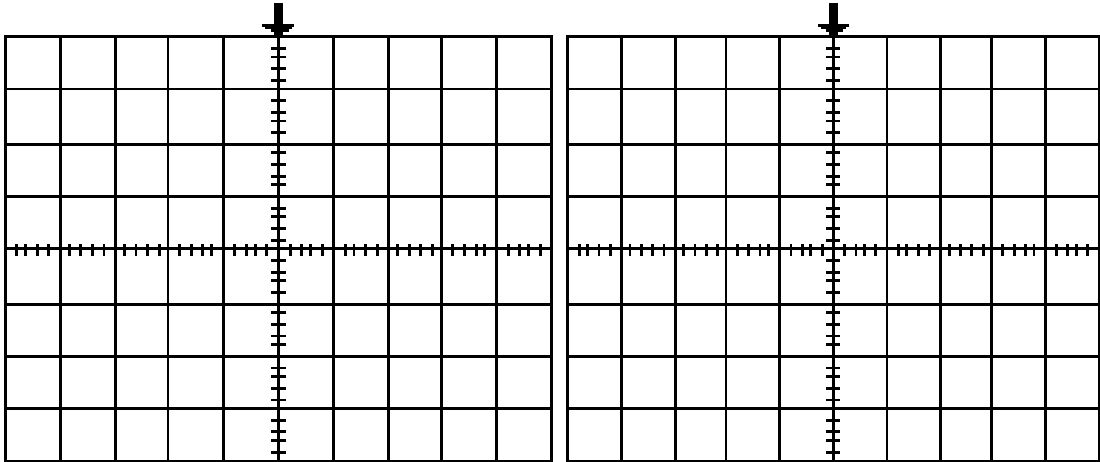


Saturation level is: \_\_\_\_\_

Transfer chart:

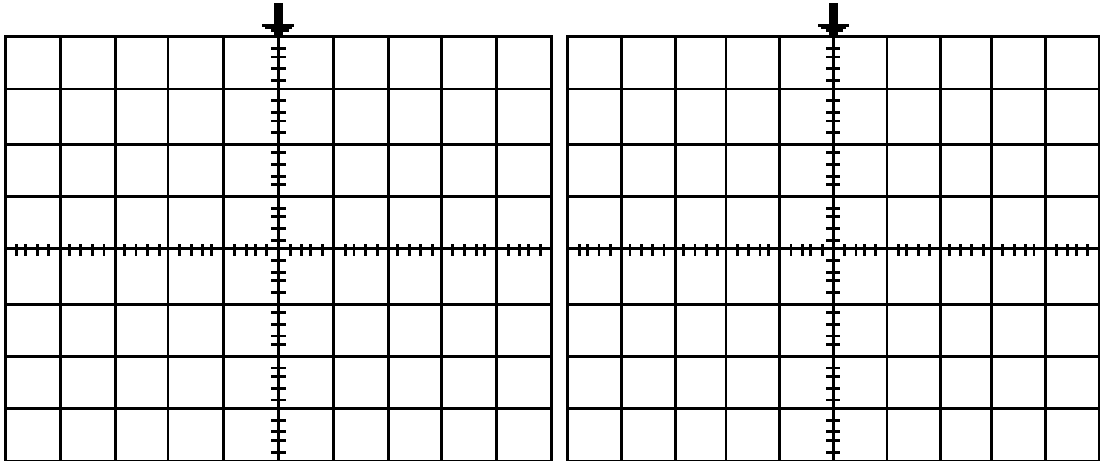


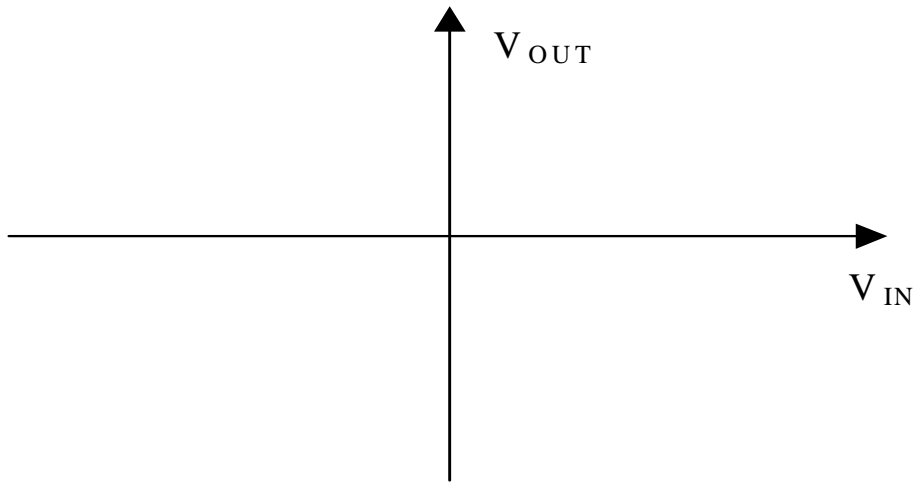
1-d) Input output signal and the transfer characteristic:



Conclusion:

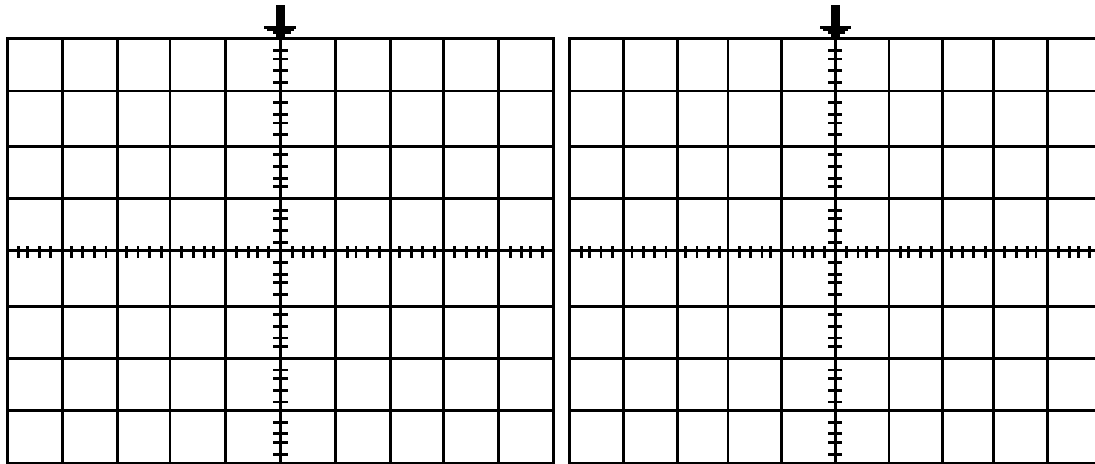
1-e) Input output signal and the transfer characteristic:





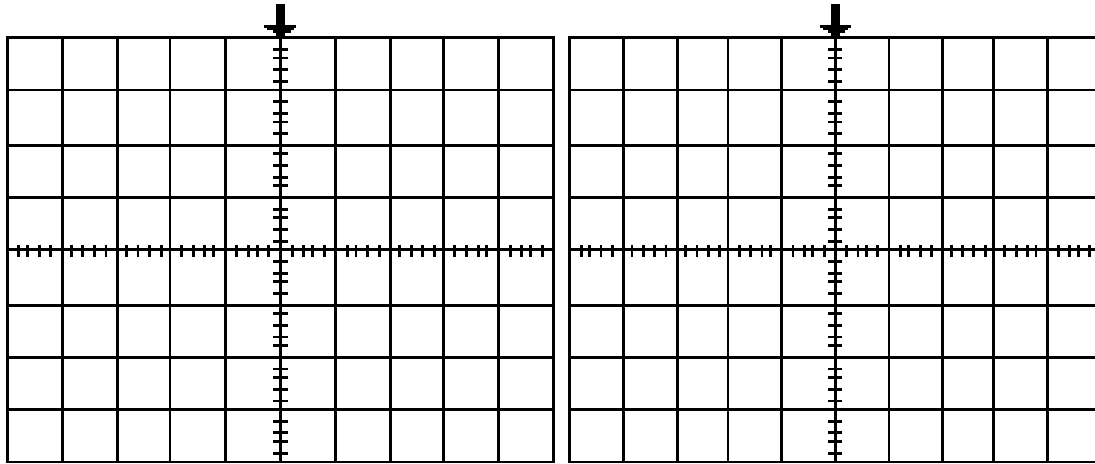
Conclusion:

1-f) Input-output are



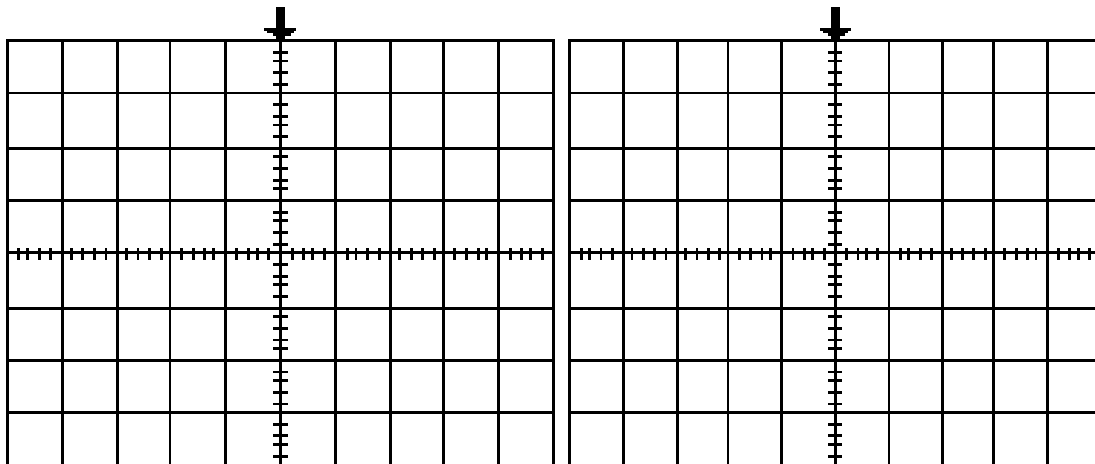
Conclusion:

1-g)



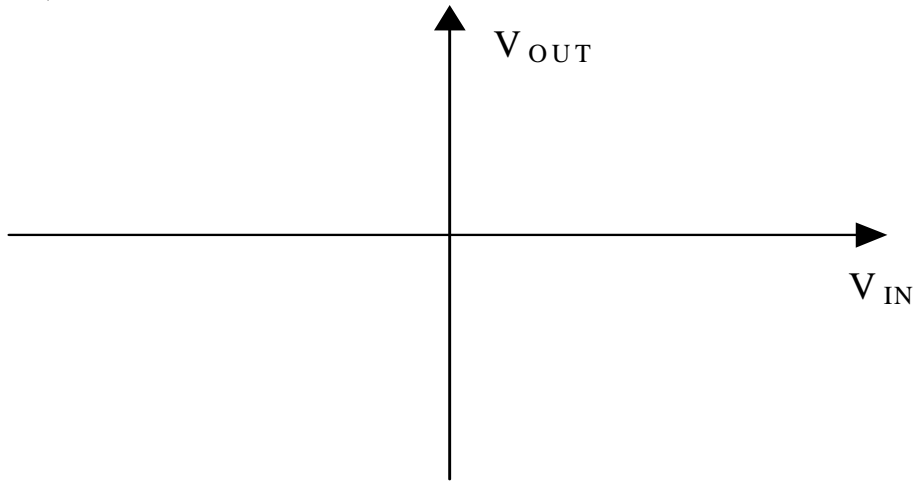
Conclusion:

1-h)



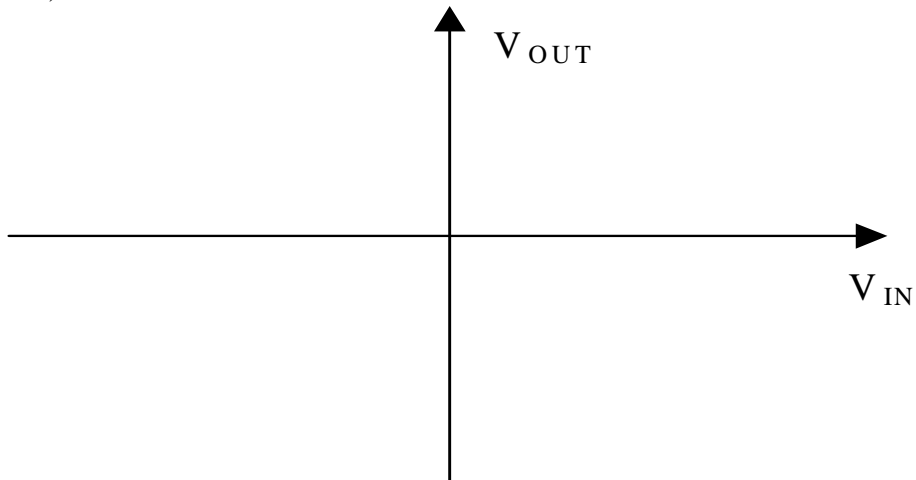
Conclusion:

2-a) the transfer characteristic is:



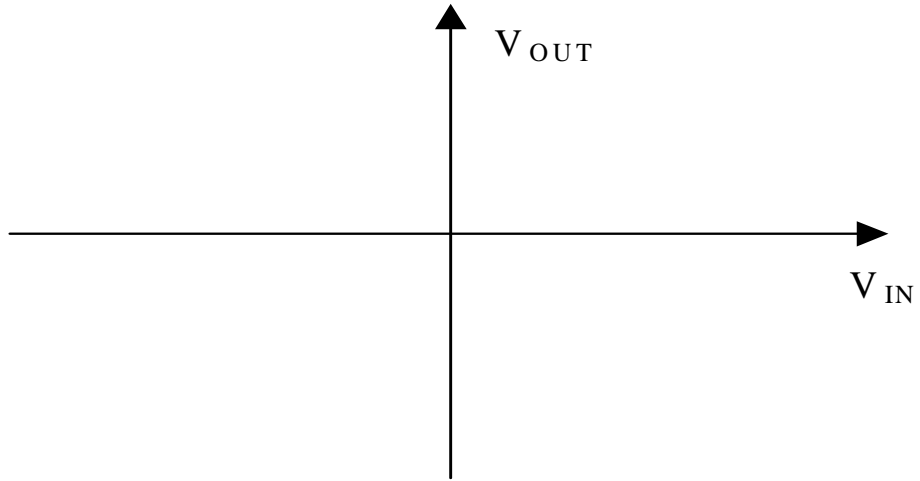
Conclusion:

2-b) the transfer characteristic is:



Conclusion:

2-c) the transfer characteristic is:



Conclusion: