

Department Of electrical and computer Engineering

ENEE2103 CIRCUITS AND ELECTRONICS LABORATORY

Experiment No.7 Prelab

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Vce=8.5828V

Vbe=0.7V

Vin=1:



Changed the amplitude for Vin to 1V





Av = Vo (t) / Vi (t)

Av=4/2=2v



Av1 = Vo (t) / VB (t)

Av1= 4/0.7=5.71V

7.



1. ***COMMON COLLECTER TRANSISTOR AMPLIFIER.***





The output=2 when the Vsin amp=5.2



The needed input ac value:



|  |  |
| --- | --- |
| **Quantity** | **Measured values** |
| **Vin** |  |
| **Vout** |  |
| **iin** |  |
| **iout** |  |
|  | **Calculated values** |
| **AV=Vout/Vin** |  |
| **Ai=iout/iin** |  |
| **Zin=Vin/iin** |  |
| **Zout** |  |





