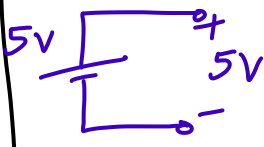
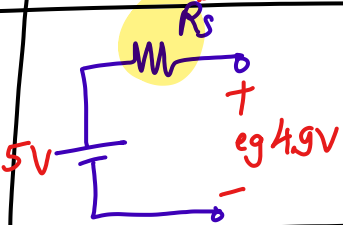
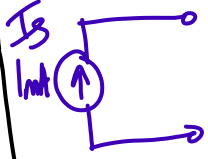
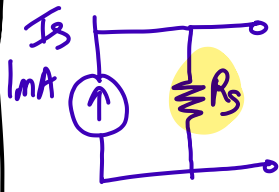
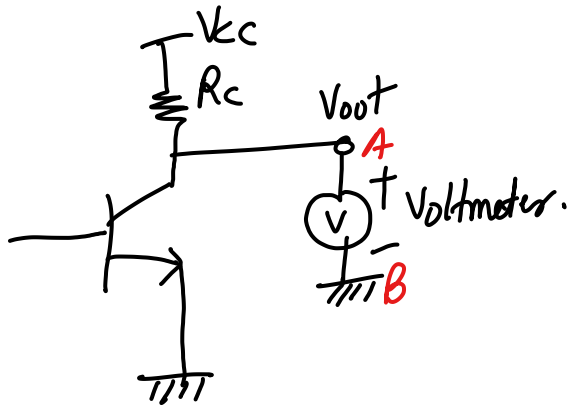


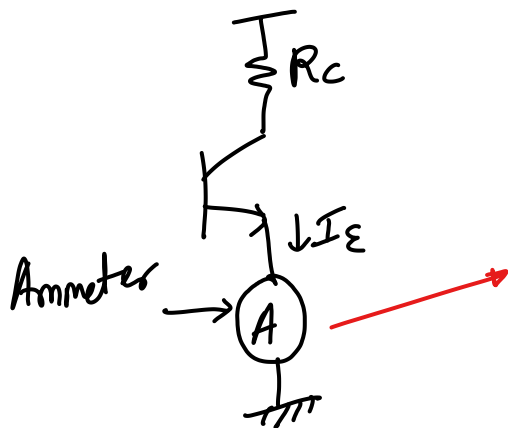
A] Ideal Vs Real sources

	Ideal	Real (Practical)	
Voltage source			For a Good Voltage source, $R_s \rightarrow$ small
Current source			For a Good current source, $R_s \rightarrow$ high

B] How do we measure a voltage or a current?



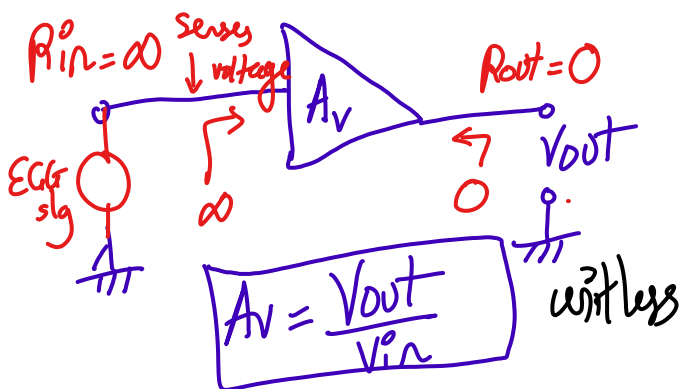
Resistance of voltmeter should be v. high



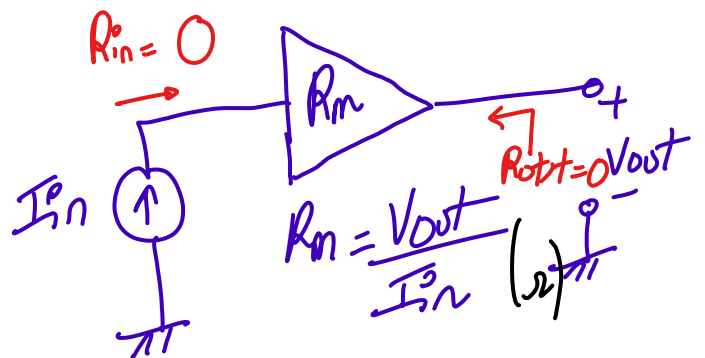
Resistance of ammeter should be low

Types of amplifiers: -

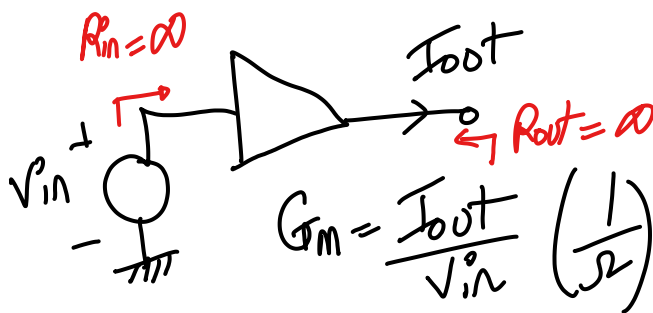
(1) Voltage amplifier



(2) Transimpedance amplifier



(3) Transconductance amplifier



4) Current amplifier

