LE CTURE -28

VOLTAGE TRANSFER (URVES

ACTIVE REGION

$$KVL BE LOOP$$

$$- V_{I} + RRRB + VBE (ON) = 0$$

$$\overline{LB} = \frac{V_{I} - 0.7}{RB}$$

$$ONLY POR ACTIVE REGION$$

$$\overline{LC} = RTB = \frac{B}{RO} (V_{I} - 0.7)$$

$$\frac{|T_{c}|^{2} R^{2}R}{R^{2}} = \frac{|R|^{2} R^{2}}{R^{2}}$$

$$\frac{|K_{VL}|^{2} CE \log P}{-5 + I_{c}R_{c} + V_{o}} = 0$$

$$V_{0} = 5 - I_{c}R_{c}$$

$$V_{L}^{7} V_{0}V \longrightarrow V_{0} = 5 - \frac{R}{R^{2}} (V_{Z} - 0.7) R_{c}$$

$$V_{CE}$$

NOW VCE = Vo = 0.2V -> THEN TRANSISTUR

15 IN SATURATION

15 IN SATURATION

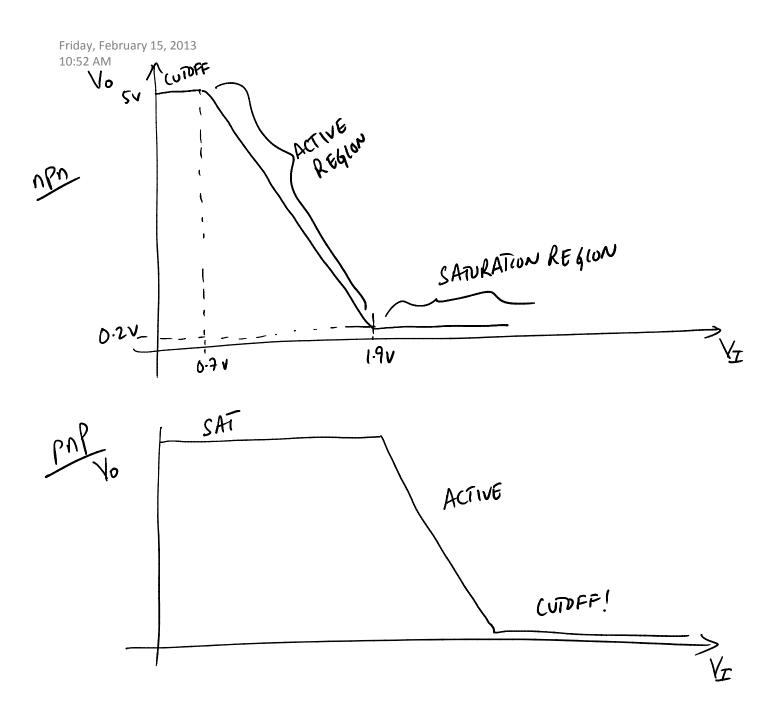
16 LOTS OF IC, LOTS OF DROP

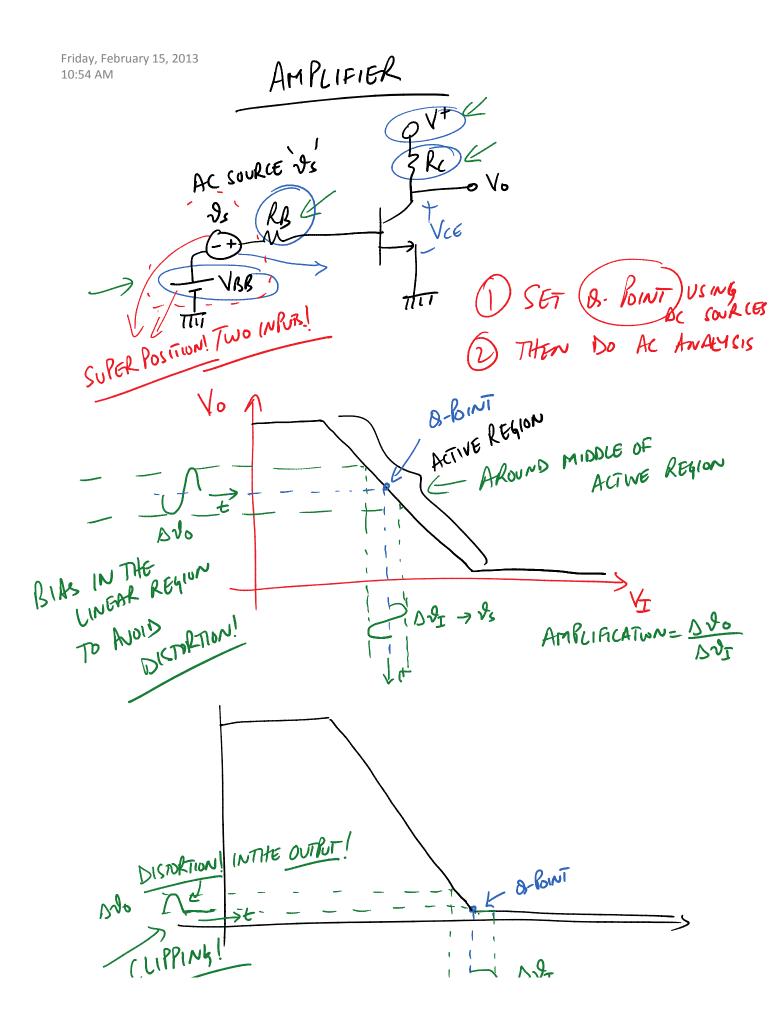
17 ACTIVE REGION

18 Vo = 0.2V = 5- (20) (VI - 0.+) RC

19 RANSISTAL IS IN

CATILIATION





CLIPPING!

BIASING FOR AMPLIFICATION IS IMPORTANT

11 DONE BY USING EXTERNAL DC SUPRY AND

RESISTOR CIRCUIT "

* OF POINT SHOULD LIE IN THE ACTIVE REGION
HOW TO??