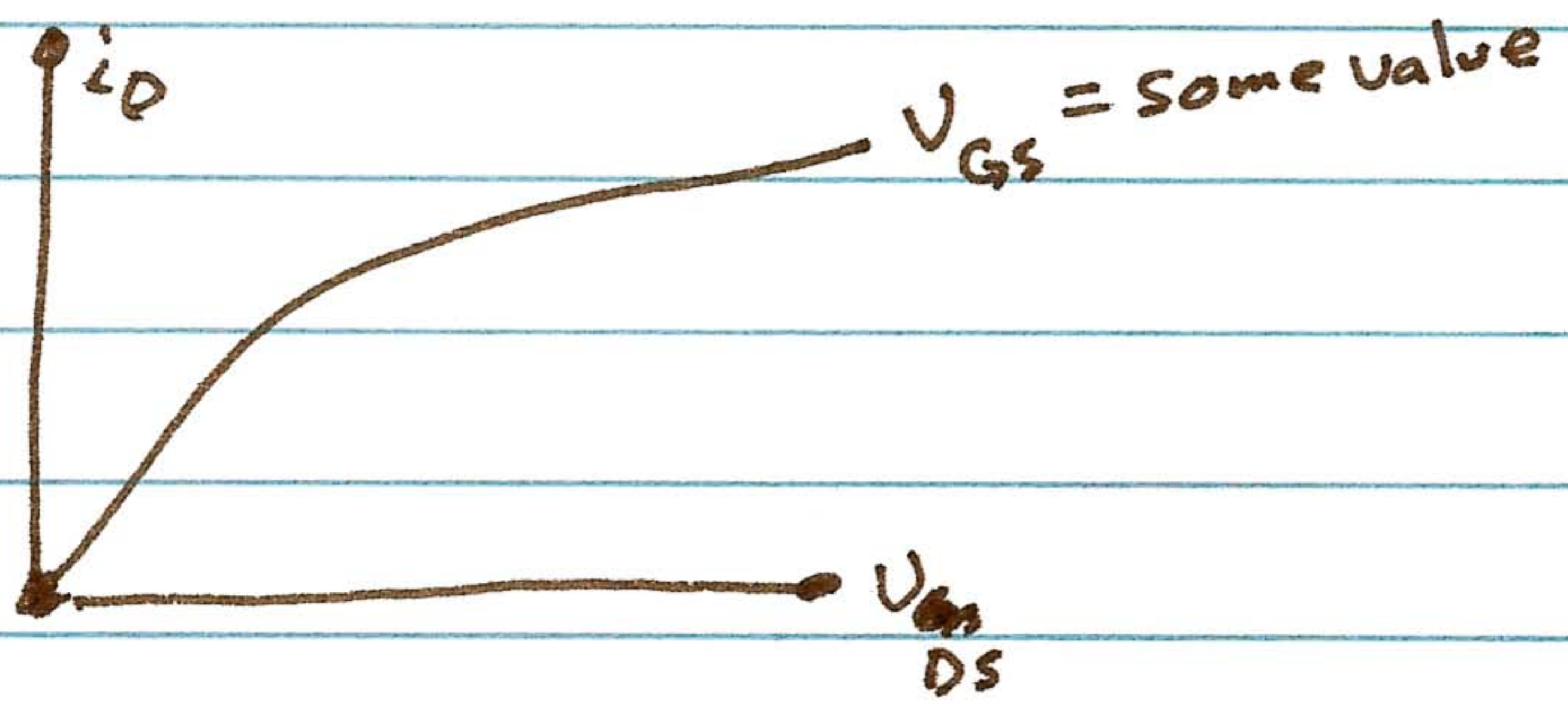
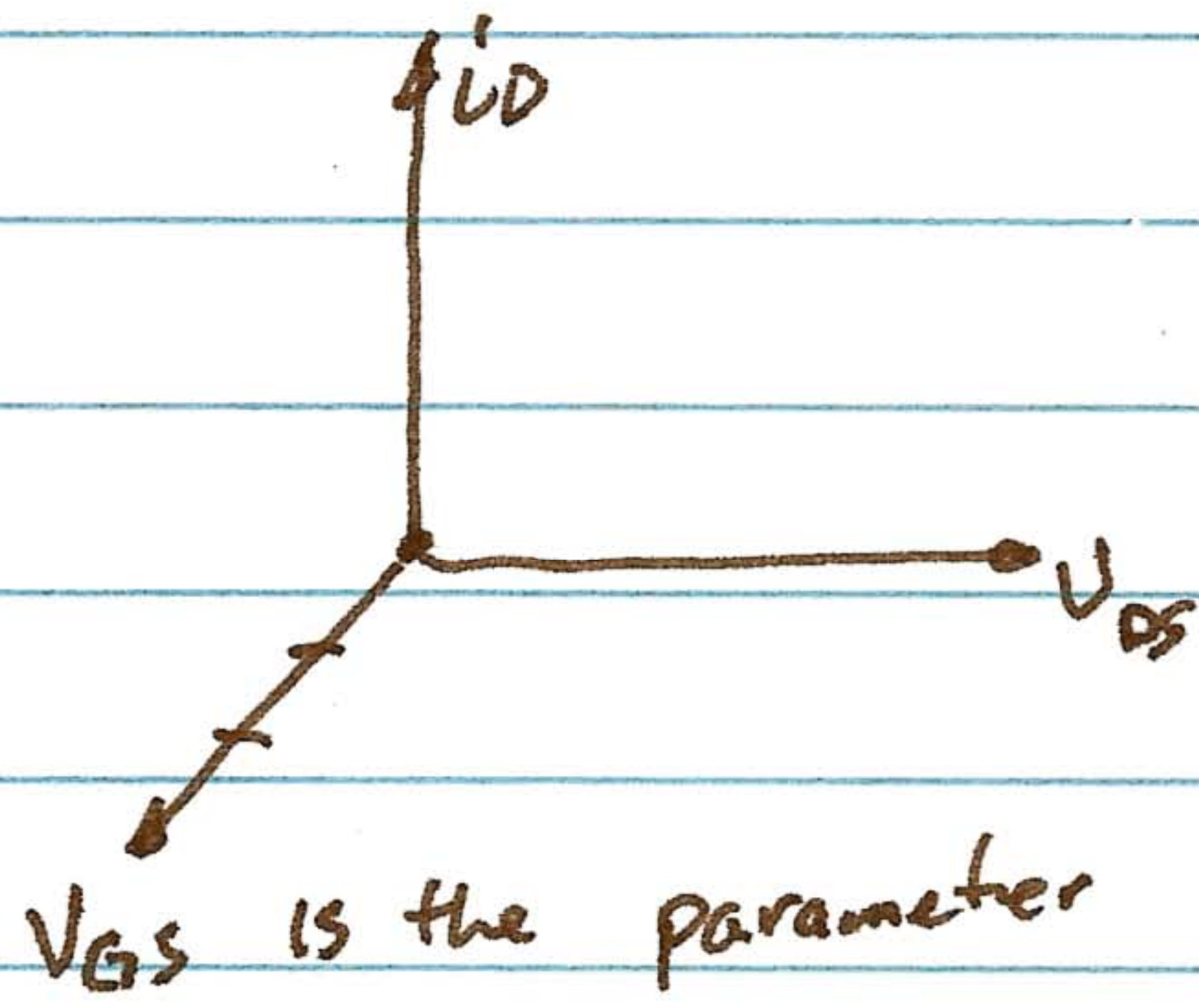
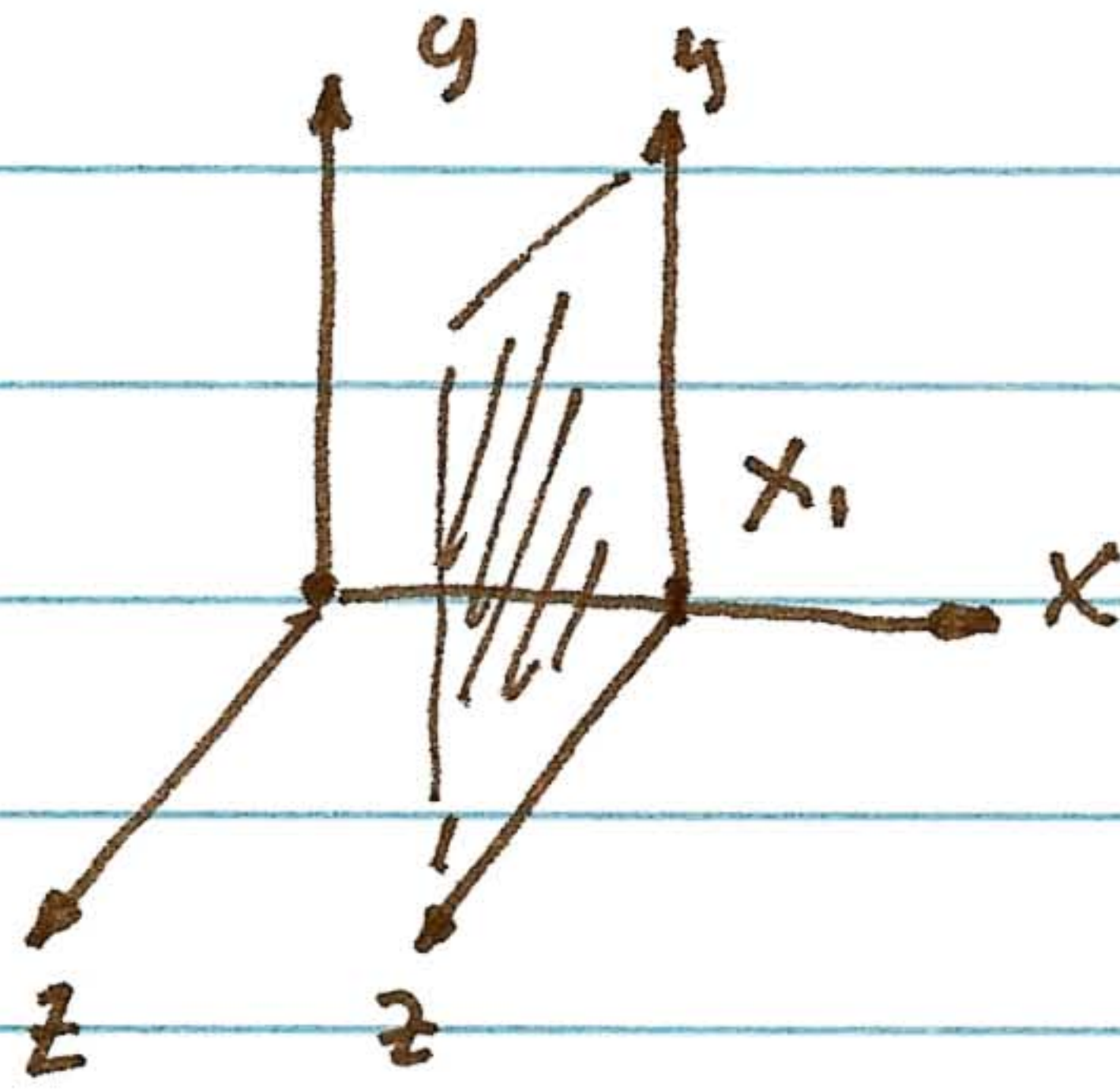
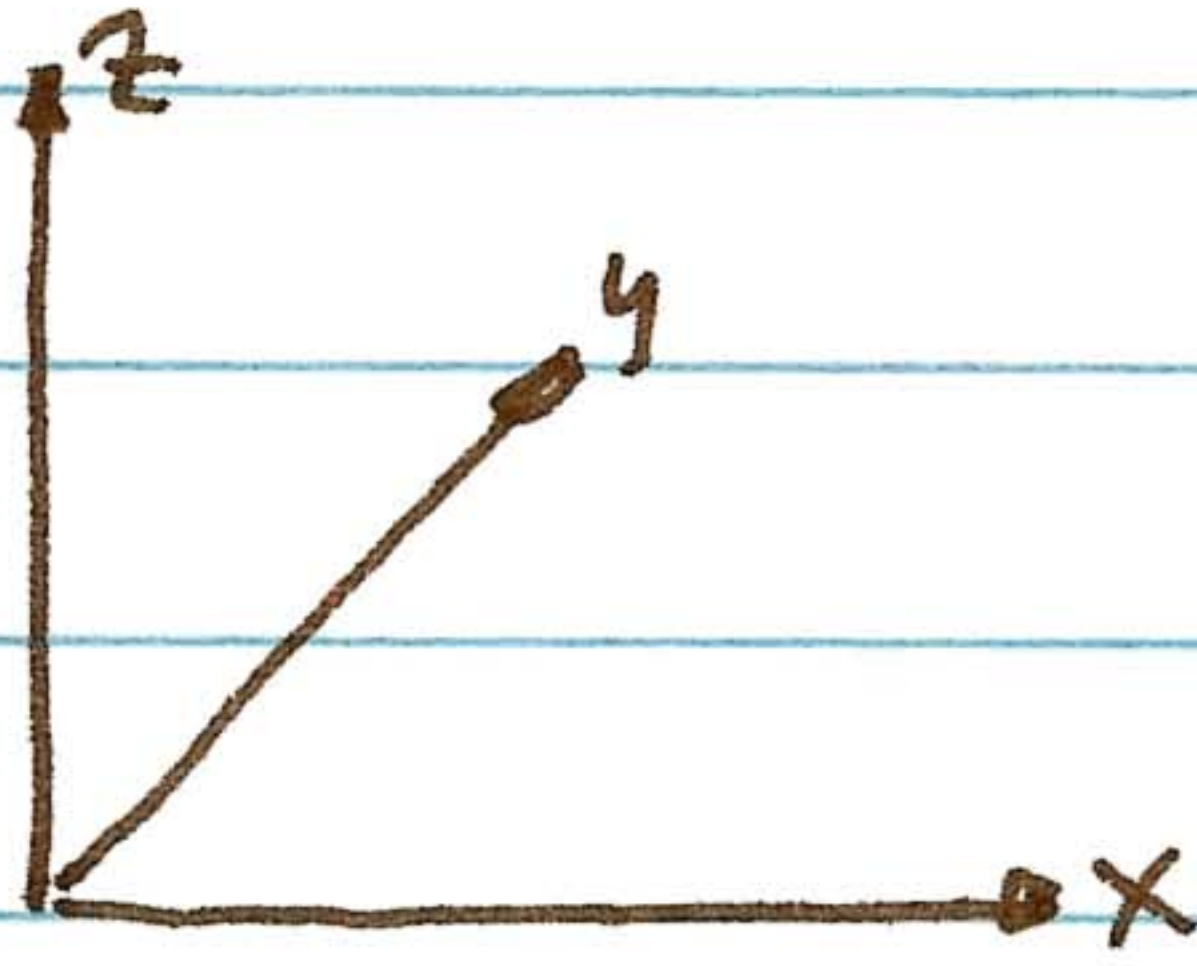
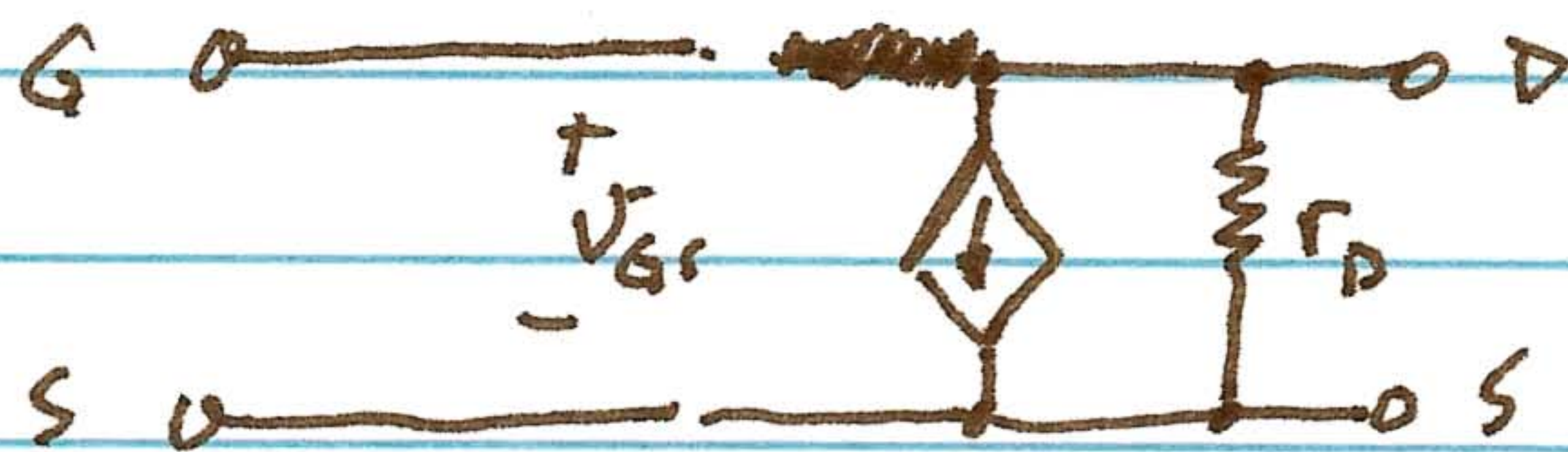
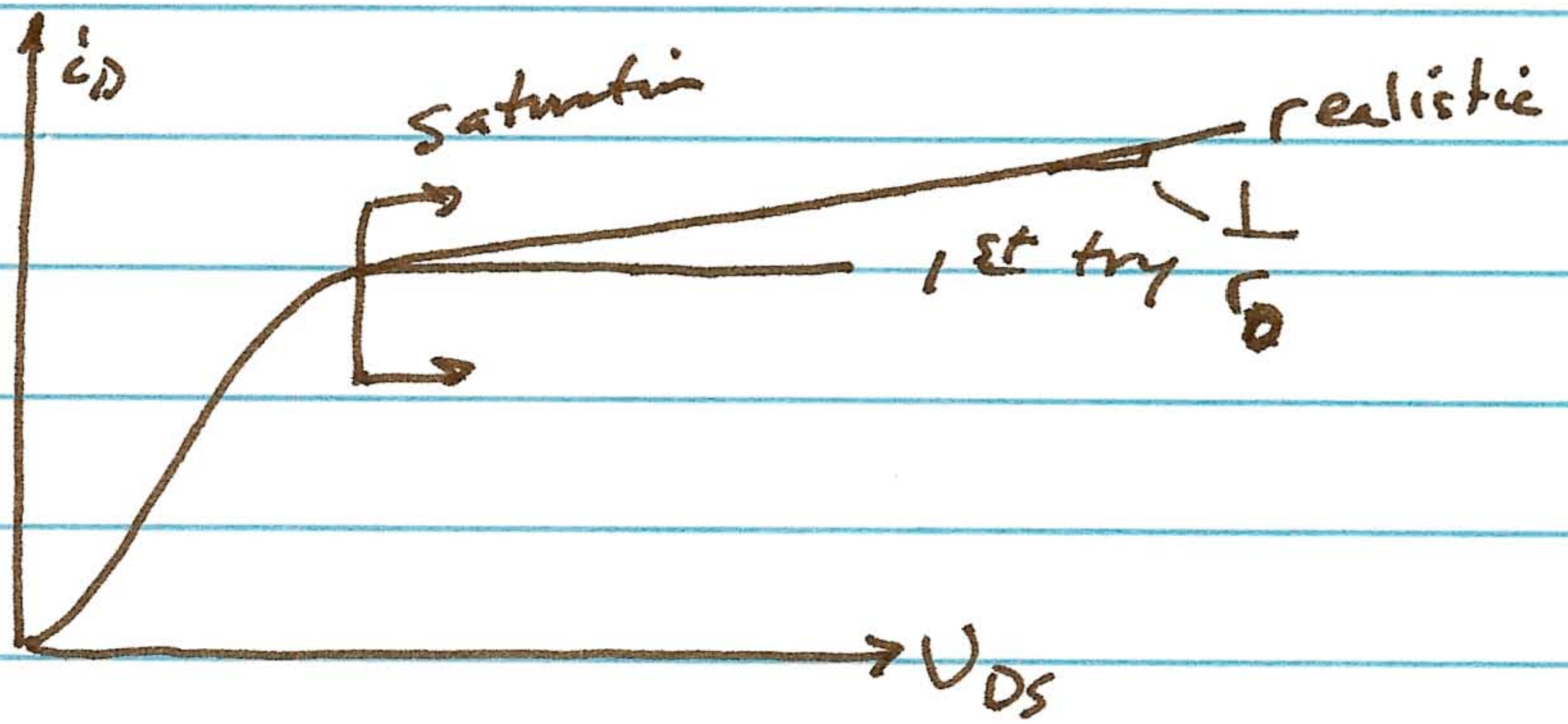
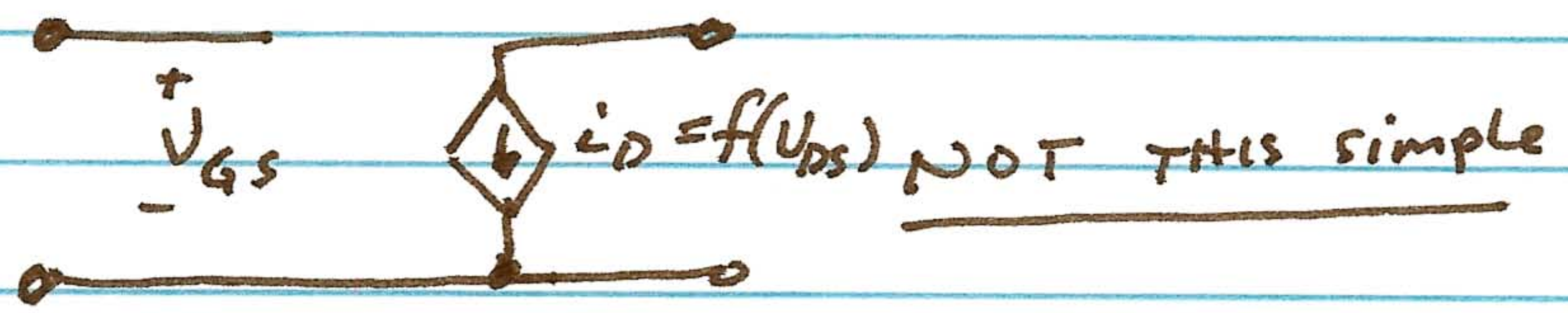
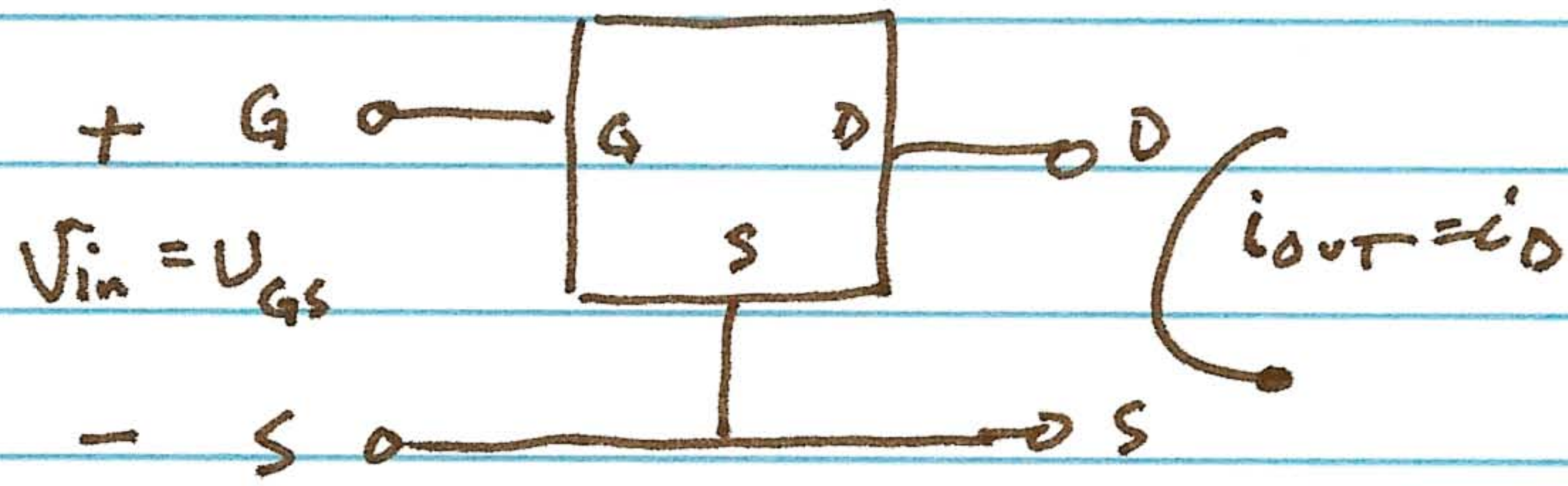
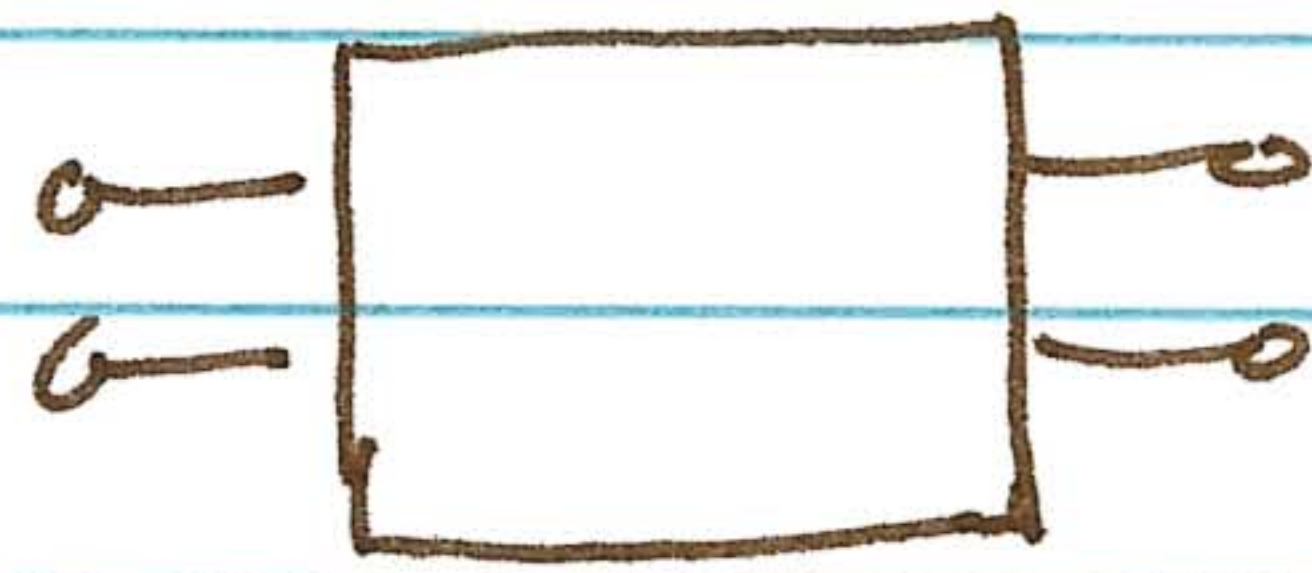


Monotonically increasing





$$Y = \frac{I}{V} \quad \underline{I = YV}$$

$$Y_T = \frac{I_D}{V_i} = \frac{i_D}{V_{GS}}$$

transconductance is the gain
millisiemens