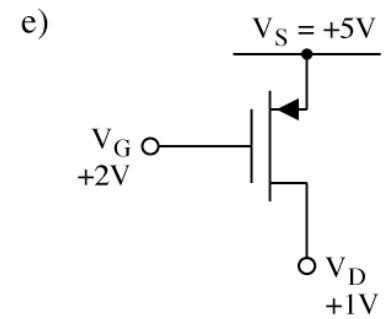
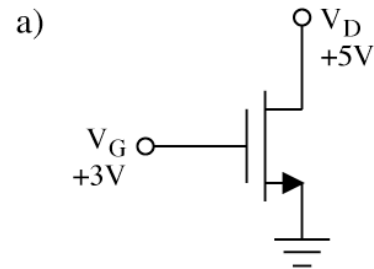


3) [MOSFET operating region practice]

For each MOSFET below, determine the MOSFET operating region (active, triode, cutoff). Assume NMOS $V_{TH} = +1V$ and PMOS $V_{TH} = -1V$.



4) [More MOSFET operating region practice]

For each MOSFET below, determine

- a) the MOSFET operating region (active, triode, cutoff), and
b) the drain voltage v_D and the DC drain current I_D .

Assume NMOS $V_{TH} = +1V$ and PMOS $V_{TH} = -1V$.

For both NMOS and PMOS, assume $\mu C_{ox} \frac{W}{L} = 2.0E-4 \frac{A}{V^2}$

