

**Special Problem 4.3-4**

It is known that the current through resistor  $R_1$  is  $i_1 = 1 \text{ mA}$ .

Assume that the MOSFET is in **triode** region.

- 1) Determine the value of resistor  $R_2$ .
- 2) **Check** to see if the triode assumption was correct.

