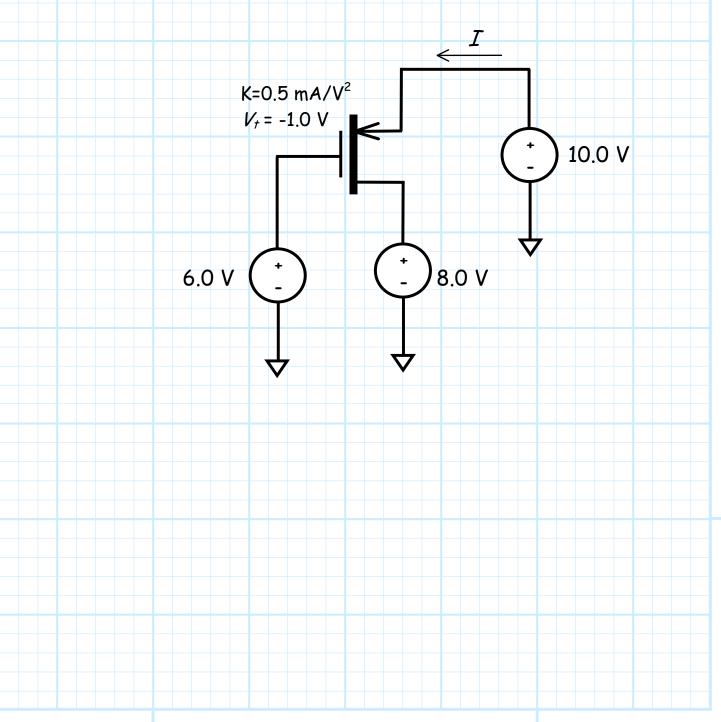
Special Problem 4.2-1

The MOSFET in the circuit below has $K = 0.5 \text{ mA/V}^2$ and $V_f = -1.0 \text{ V}$.

First determine the operating mode of the MOSFET, and then determine the value of current \mathcal{I} .



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