

Open book and closed notes.

Show your work for credit and place a box around each of your answers.

For the 1 μm book process used below: $V_{THN} = 800 \text{ mV}$, $V_{THP} = 900 \text{ mV}$, $KP_n = 120 \text{ uA/V}^2$, and $KP_p = 40 \text{ uA/V}^2$.

1. In the following circuit, noting that M3 is off, calculate VS34 and VD24. (5 points)

