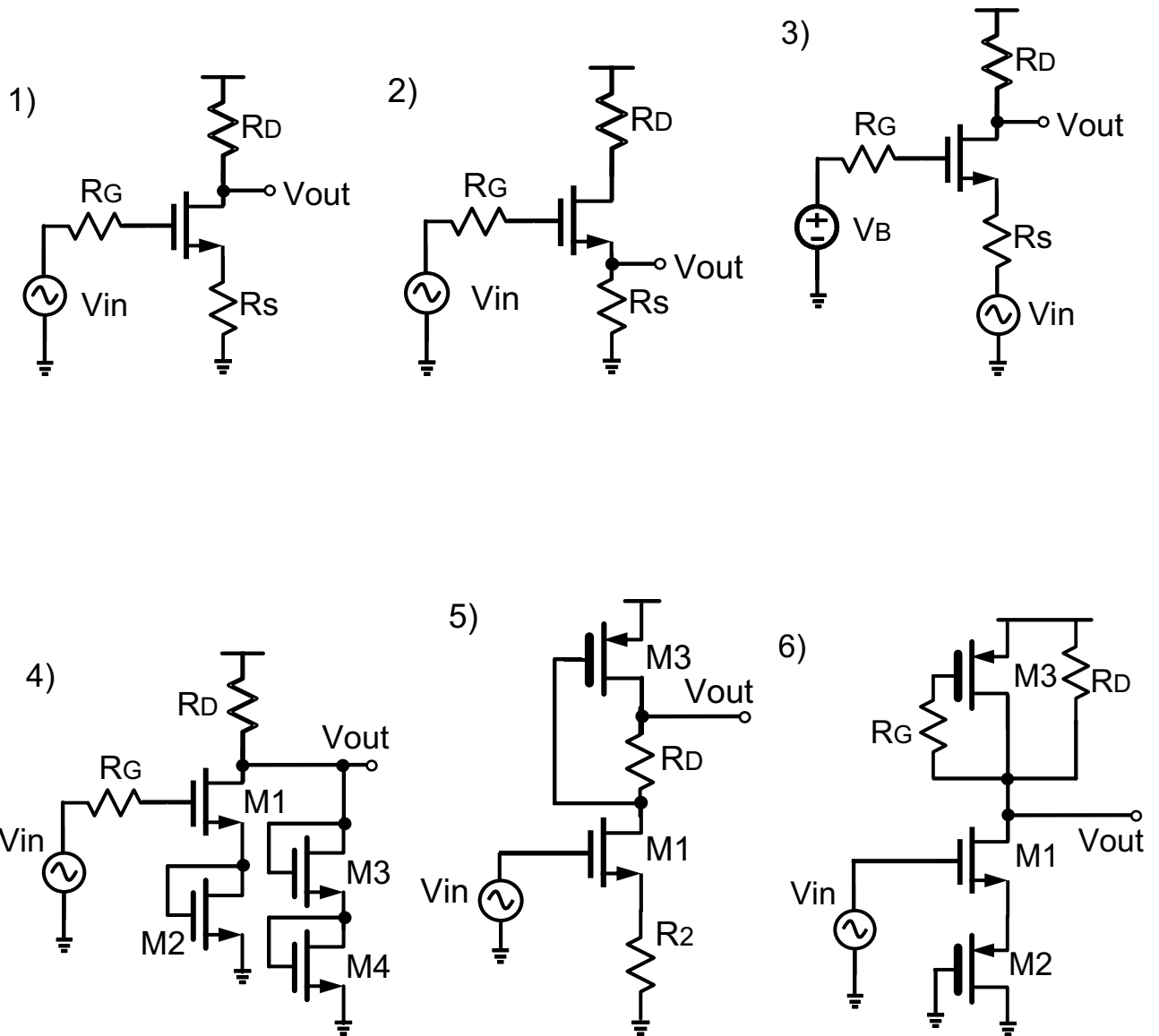


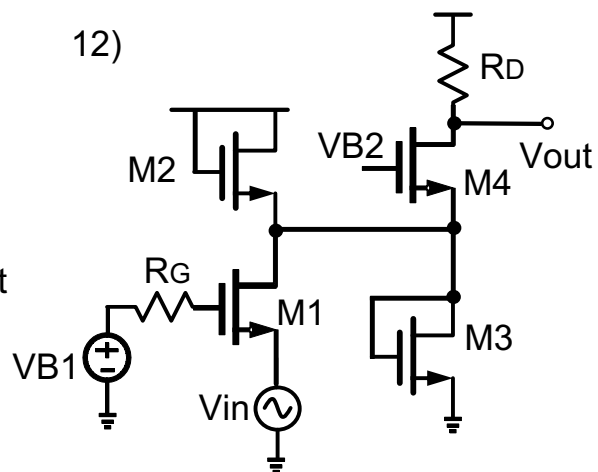
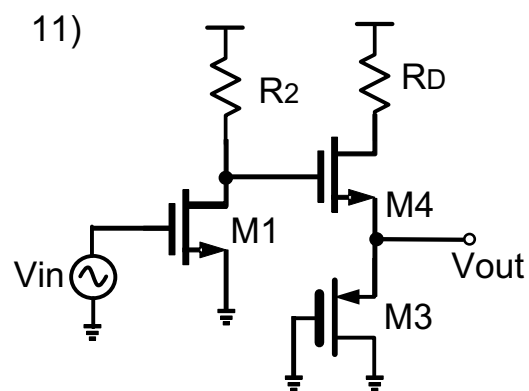
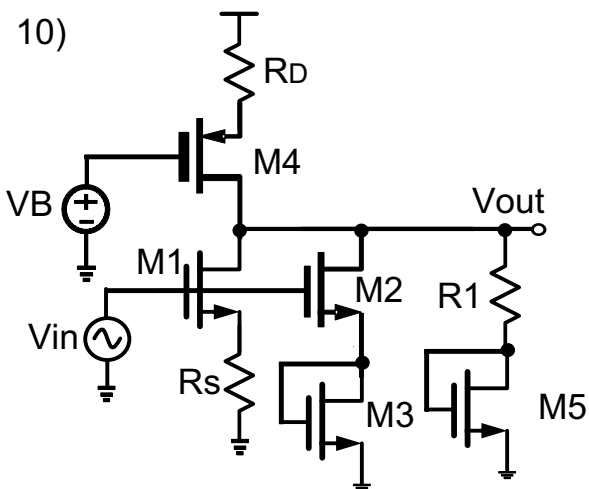
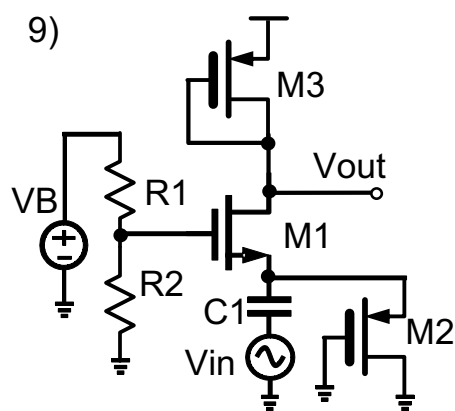
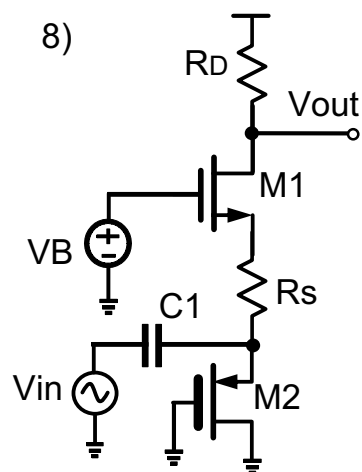
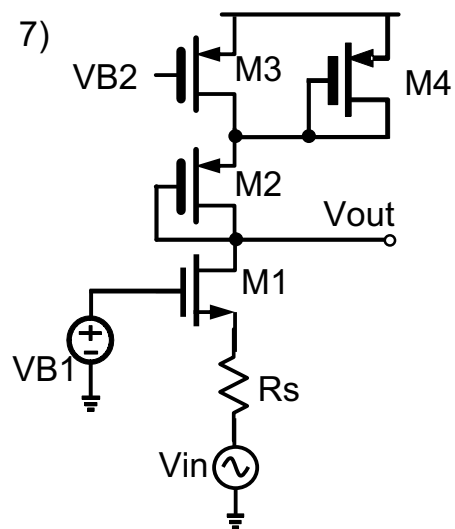
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Homework 2

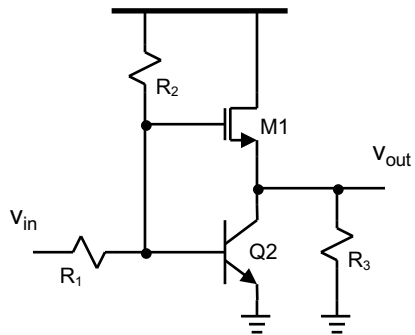
Find expression for R_{in} , R_{out} and small signal voltage gain for the circuit shown below.

Assume: 1) $r_o = \infty$, 2) All transistor are biased in saturation.





13) Find the small-signal gain from V_{in} to V_{out} .



14) Find the small-signal R_{eq1} .

