In the circuit shown below, find the small-signal gain from input to output.
For the circuit shown below, find the small-signal gain from input to output.
Find the small-signal gain from input to output.
Find the small-signal gain from input to output.
Find small-signal $R_{in}$ and Gain. Assume $C_1=\infty$ and $r_o=\infty$. 

![Circuit Diagram]

\[V_{DD}\]
\[V_{out}\]
\[V_{in}\]
\[V_{out}\]
\[V_{in}\]
\[V_{out}\]
\[V_{in}\]
\[V_{out}\]
\[V_{in}\]
\[V_{out}\]
\[V_{in}\]
\[V_{out}\]
Find small-signal Gain (Gain = Gm Rout). Assume $r_o = \infty$. 
Find small-signal output resistance. Assume $r_o=\infty$.