- 8) E-Book, problem D4.26 (18 points)
- *D4.26 Design the common-source circuit in Figure P4.26 using an n-channel MOSFET with $\lambda=0$. The quiescent values are to be $I_{DQ}=6$ mA, $V_{GSQ}=2.8$ V, and $V_{DSQ}=10$ V. The transconductance is $g_m=2.2$ mA/V. Let $R_L=1$ k Ω , $A_v=-1$, and $R_{\rm in}=100$ k Ω . Find R_1 , R_2 , R_S , R_D , K_n , and V_{TN} .