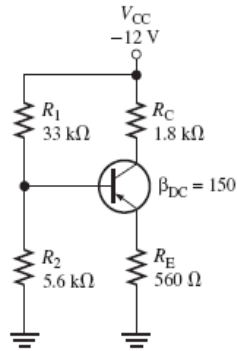
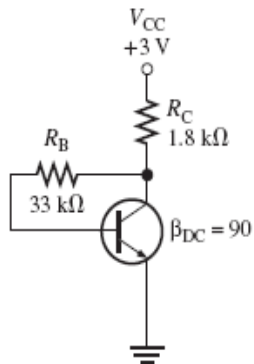


第一次 作業

1. Determine I_B, I_C and I_E in the following circuit



2. Determine V_B, V_C and I_C in the following circuit



3. Determine I_B, I_C and V_{CE} for a bias biased transistor circuit with the following values: $\beta_{DC}=90, V_{CC}=12V, R_B=22k\Omega$ and $R_C=100\Omega$
4. Determine the following dc values for the amplifier in following circuit
(a) I_E (b) V_E (c) V_B (d) I_C (e) V_C (f) V_{CE} (g) R_{in} (h) A_v (i) A_i

