

Homework 4

January 2021

- Given the information appearing in figure 1 (a), determine:
a) I_C , b) V_{CC} , c) β , d) R_B
- Given the information provided in figure 1 (b), determine:
a) R_C , b) R_E , c) R_B , d) V_{CE} , e) V_B

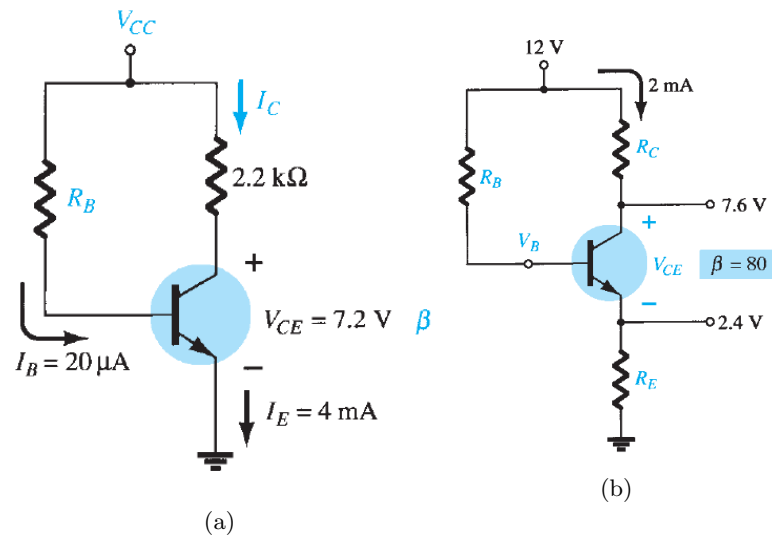


Figure 1

- Given the information appearing in figure 2 (a), determine:
a) I_C , b) V_E , c) V_{CC} , d) V_{CE} , e) V_B , f) R_1
- For the collector-feedback configuration of figure 2 (b), determine:
a) I_B , b) I_C , c) V_C
- For the voltage feedback network of figure 3 (a), determine:
a) I_C , b) V_C , c) V_E , d) V_{CE}
- For the network of 3 (b), determine:
a) I_E , b) V_C , c) V_{CE}

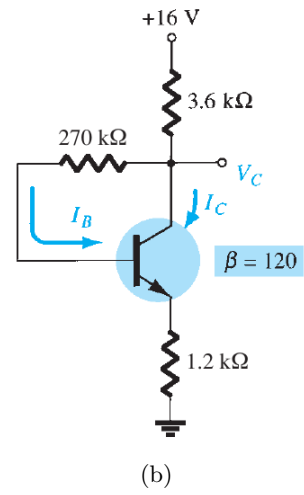
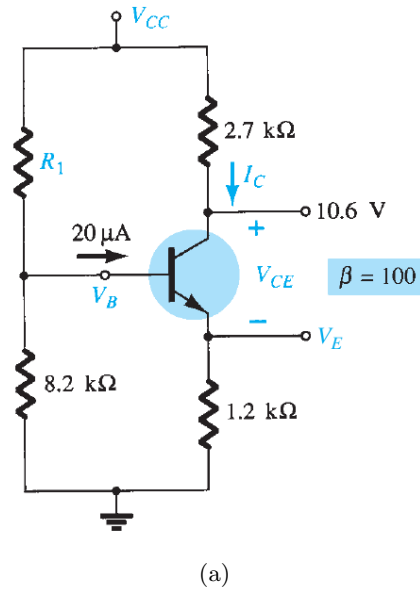


Figure 2

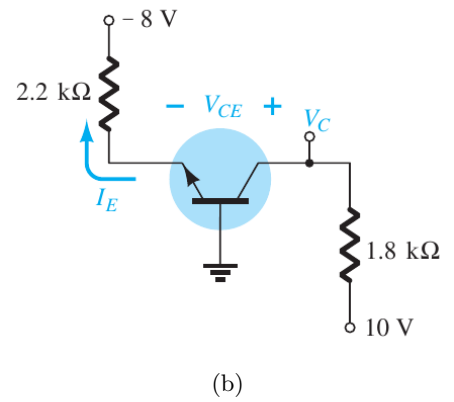
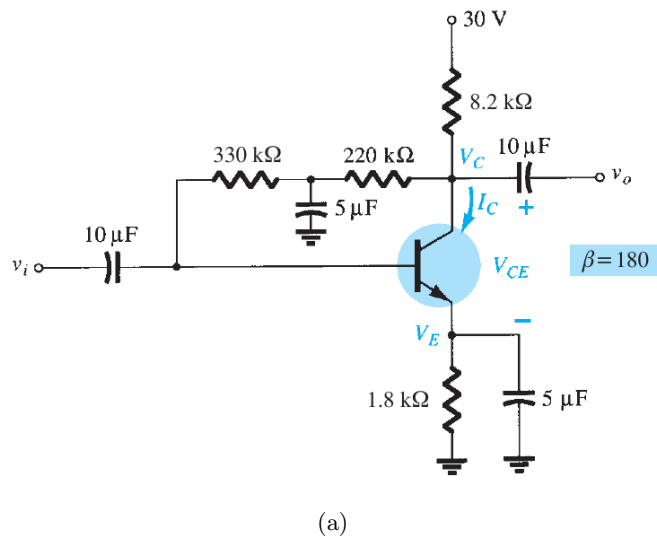


Figure 3