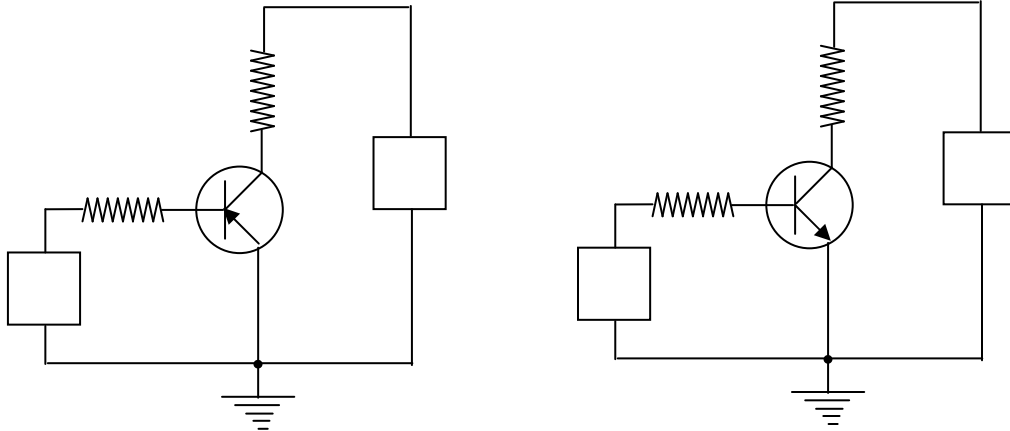


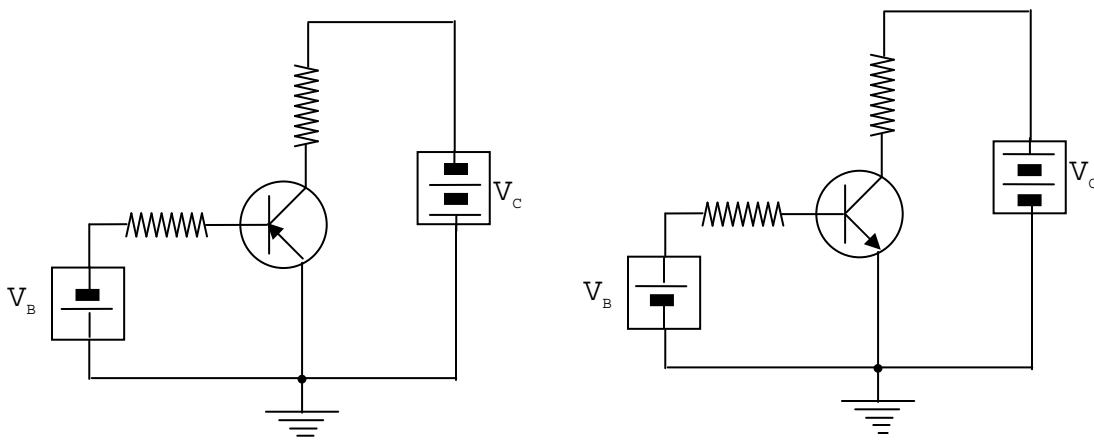
Problem 5-3

Label the polarity of the two voltage supplies:



Solution:

Under proper bias (unless the transistor is used as a switch), the B-E diode should be forward bias and the B-C diode should be reverse bias. So we have:



Note that $|V_C| > |V_B| + 0.6V$.