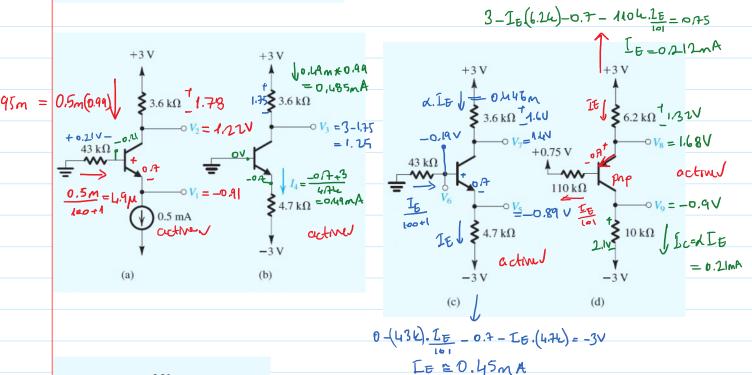
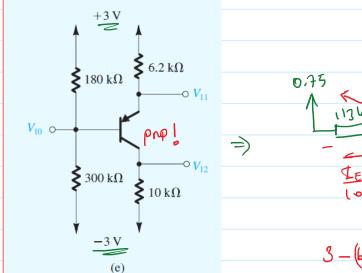
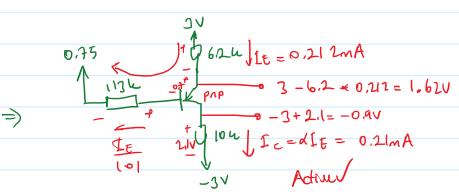
**6.61** For the circuits in Fig., find values for the labeled node voltages and branch currents.  $\beta = 100$ .

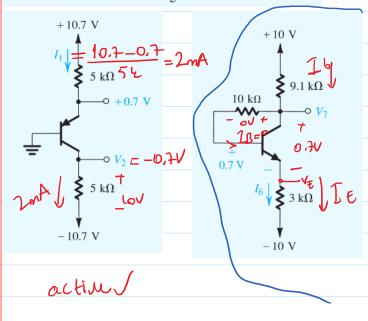






**6.28** For the circuits in Fig. P6.28, assume that the transistors have very large  $\beta$ . Some measurements have been made on these circuits, with the results indicated in the figure. Find the values of the other labeled voltages and currents.





$$\int_{0}^{\infty} = \int_{0}^{\infty} = 0$$

$$\int_{0}^{\infty} = \int_{0}^{\infty} = 0$$

$$10 - 9.16 \times I_6 = V_7$$
  
 $V_7 = -4.5 \vee$ 

$$V_G = -10 + S_{G} \times 14$$

$$= -52V$$
active  $V$ 

**D 6.34** Design the circuit in Fig. P6.34 to establish  $I_C = 0.2$  mA and  $V_C = 0.5$  V.  $\beta = 100$ .

0.2 mA and 
$$V_c = 0.5 \text{ V}$$
.  $\beta = 100$ .

$$\beta = (15 - 0.5)$$

$$0.1 m = I_c$$

$$0.2 m = I_c$$

$$0.3 m = I_c$$

$$0.4 m = I_c$$

