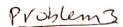
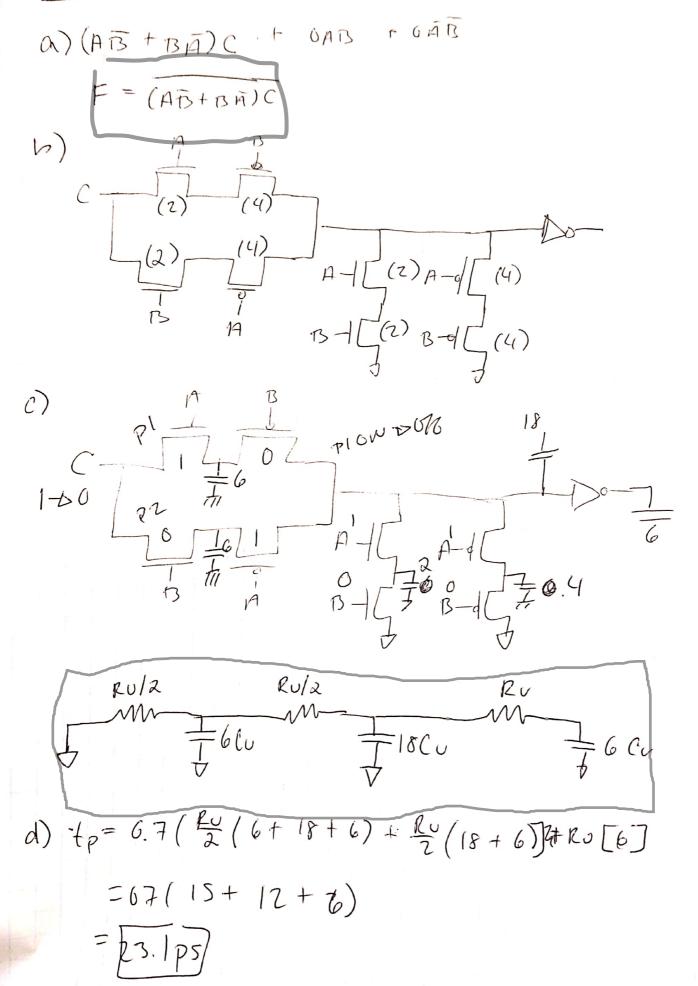
$$g_{A} = \frac{380}{80} \cdot \frac{20}{2.50} = \frac{6}{2.5} = 5.4$$

C)
$$P_A = \frac{QRU}{RU} = \frac{7.5}{3QS}PU = \frac{13.5}{3CU}$$
 $Q_A = \frac{QRU}{RU} = \frac{4.5RU}{3CU} = \frac{13.5}{3CU}$
 $Q_B = \frac{QRU}{RU} = \frac{2.5CU}{3CU} = \frac{13.5}{3CU}$
 $Q_B = \frac{QRU}{RU} = \frac{4.5CU}{3CU} = \frac{13}{3}$

O





e)
$$000 | 6V$$

110

 $011 | 2.5 - 0.6 = 1.9V$
 $010 | 0.6V$

Problem 41

a)
$$t_{p} = 0.7(\frac{6}{10}(\frac{1}{10})(14) + \frac{6}{10}(\frac{1}{2})(1f))$$

$$= 6.7(\frac{1}{10}6f)$$

$$= (1.05ps)$$

$$= (1.05ps)$$

$$= 0.7(\frac{1}{4}(4) + \frac{1}{4}(4))$$

$$= 0.7(\frac{1}{4}(4) + \frac{1}{4}(4)) + \frac{1}{2}(1))$$

$$= 0.7 (3.5)$$

$$= 0.7(3.5)$$

$$= 2.45ps$$