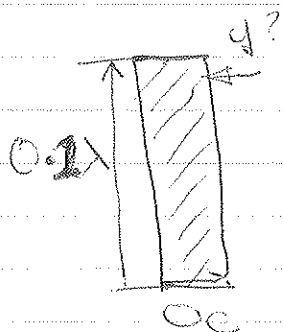


All  $Z_0 = 50\Omega$  ( $20\text{mS}$ )

(1)

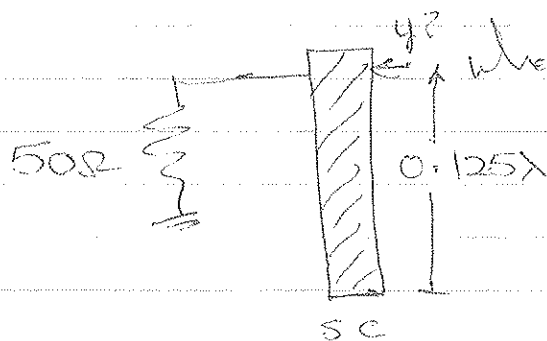


what is  $y$ ,  $Y$ ?

$$y = +j0.73$$

$$Y = +j14.6\text{mS}$$

(2)

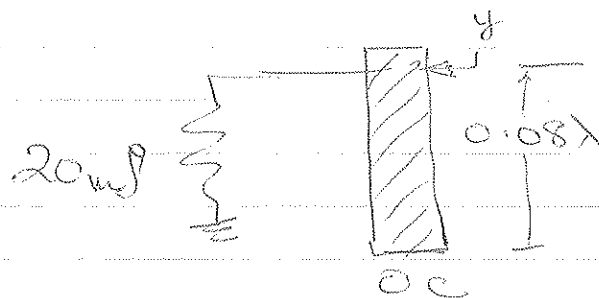


what is  $y$ ,  $Y$ ?

$$y = 1 - j1.0$$

$$Y = 20\text{mS} - j20\text{mS}$$

(3)

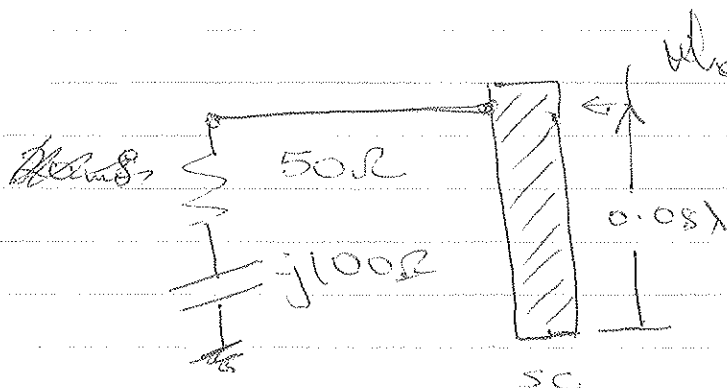


what is  $y$ ,  $Y$ ?

$$y = 1 + j0.55$$

$$Y = 20\text{mS} + j11.0\text{mS}$$

(4)



what is  $y$ ,  $Y$ ?

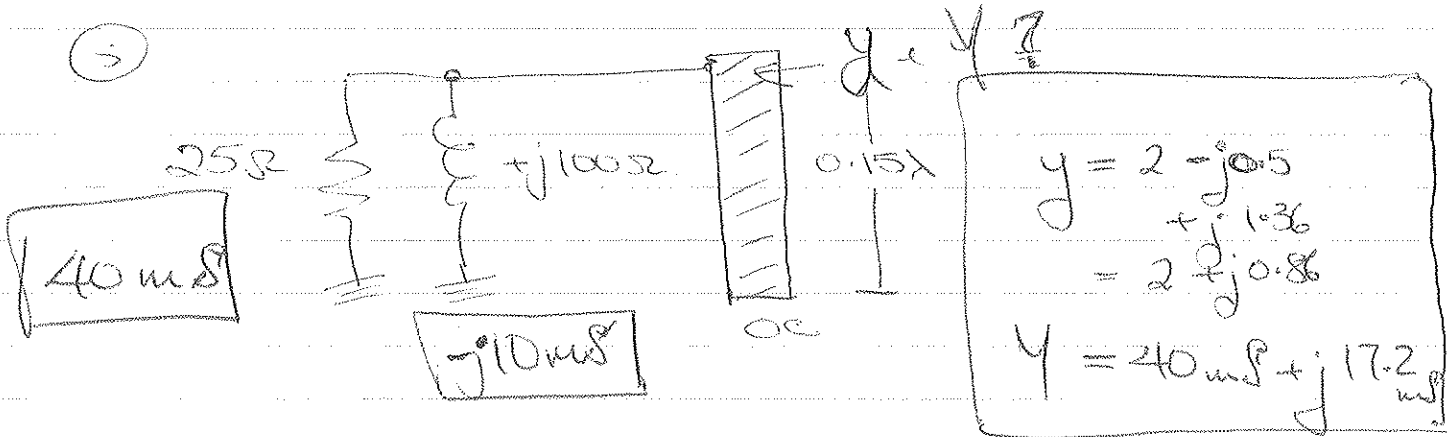
$$y = 0.2 + j0.4$$

$$= 0.2 - j1.4$$

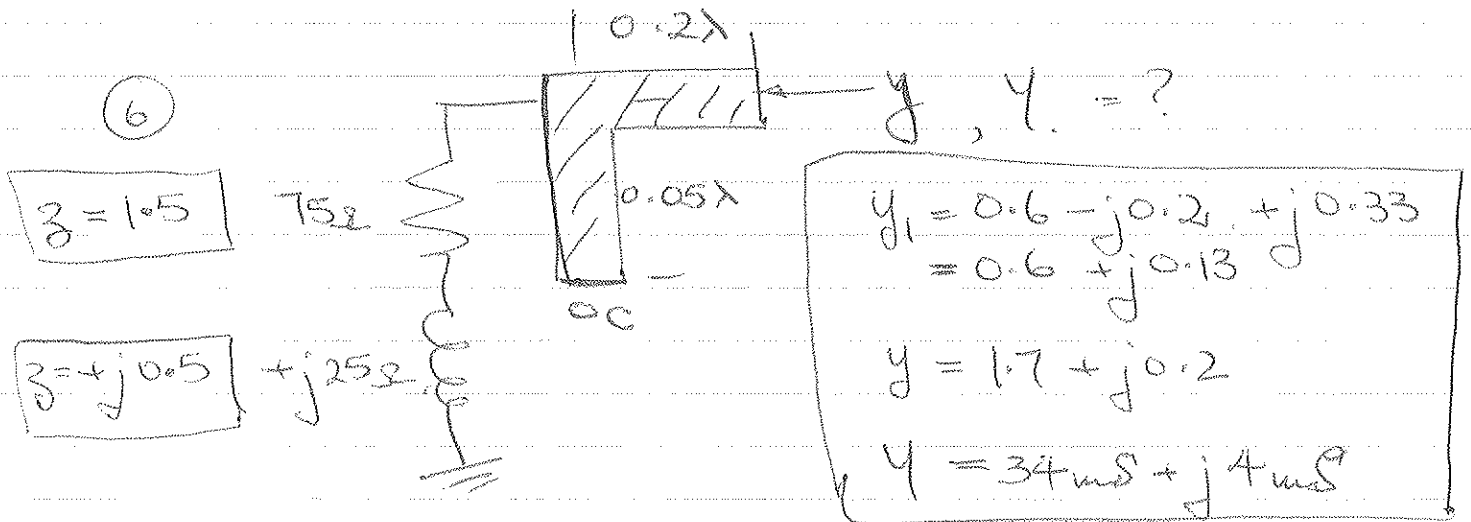
$$Y = 4\text{mS} - j28\text{mS}$$

2

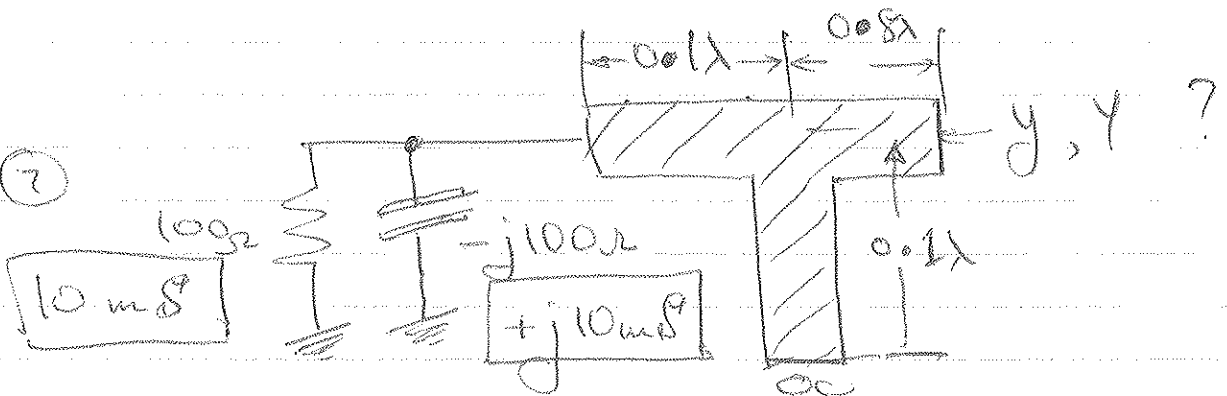
5



6



7



$$y_1 = 0.5 + j0.5$$

$$y_2 = 1.4 + j1.1 + j0.72 = 1.4 + j1.82$$

$$y = 0.22 - j0.03$$

$$Y = 4.4 \text{ mS} - j0.06 \text{ mS}$$