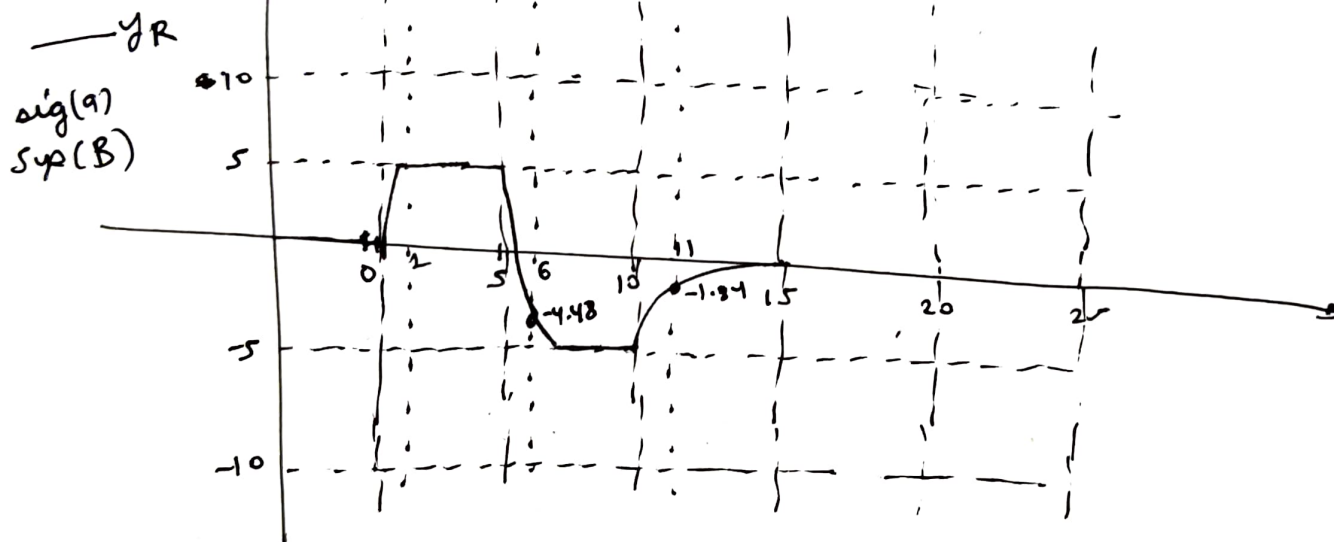
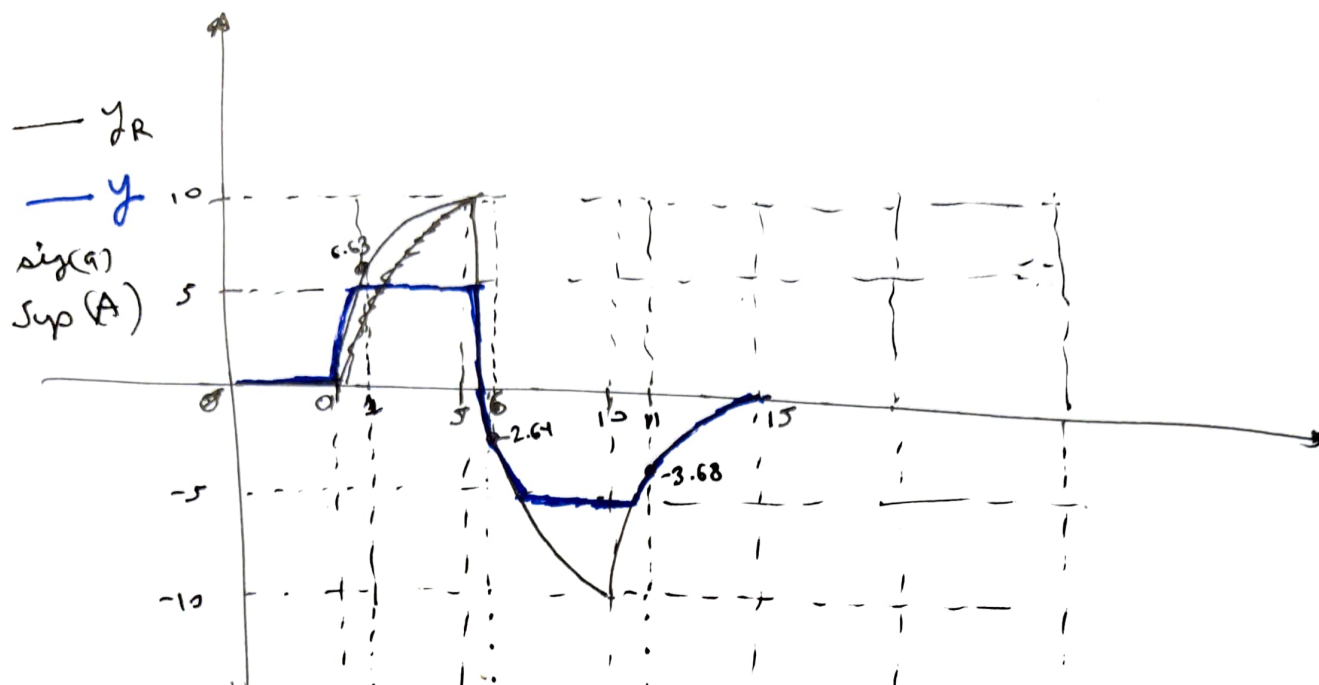


2.1



R.W.

$$y(t) = K_1 + u(t)$$

$$y(t) = K(t-1+e^{-t})$$

$$u(t)$$

$$K = K_1 K_2$$

$$H(s) = \frac{K_2}{1+s}$$

$$\text{Now } K = K_1 K_2 = 0.2 \times 10 \rightarrow 2$$

$$x(t) = -0.2t$$

$$-2(5-1-x^5)$$

8

$$2(t-1+e^{-t}) = 5$$

$$t-1 = \frac{2.5}{e}$$

$$t = 3.5$$

$$-2(t)$$

$$-2(t-1)$$

$$-2(5) = -10$$

$$-10$$

$$-2(t-1) = -10$$

$$t-1 = 5$$

$$t = 6$$

$$-2(t-1) = -18$$

$$t-1 = 9$$

$$t = 10$$

$$2(t-1)$$

$$2(4)$$

