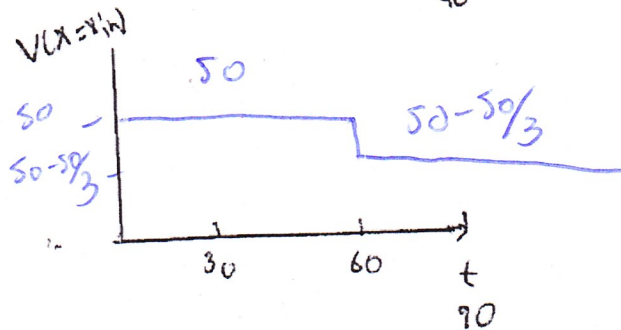
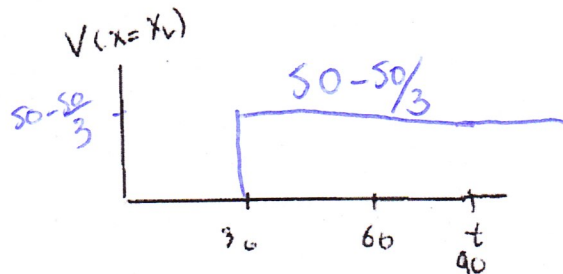
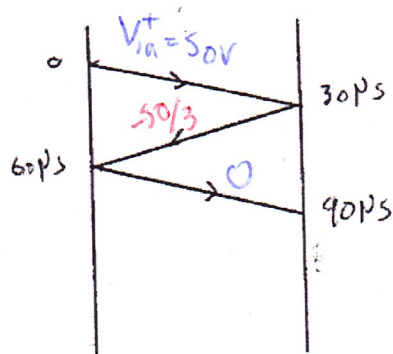
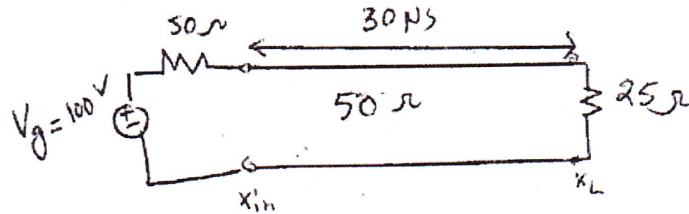


Given the following transmission line system

- Find Voltage Bounce diagram
- Find V vs time at the load and at the generator



$$V_{1a}^+ = V_g \frac{R_o}{R_o + R_g} = \frac{100}{2} = 50V$$

$$\Gamma_L = \frac{R_L - R_o}{R_L + R_o} = \frac{25 - 50}{25 + 50} = -\frac{1}{3}$$

$$V_{1a}^{ref} = (50V) \Gamma_L = -\frac{50}{3}$$

$$V_{1a}^{++} = \left(-\frac{50}{3}\right) \Gamma_g = 0 \text{ no refl.}$$

$$\Gamma_g = \frac{R_g - R_o}{R_g + R_o} = 0$$