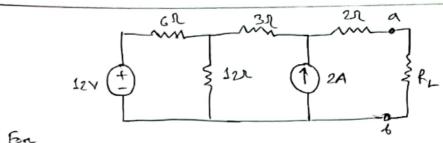
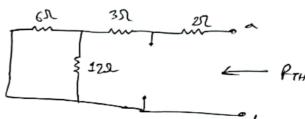
Name: Md. Rital Ahmed

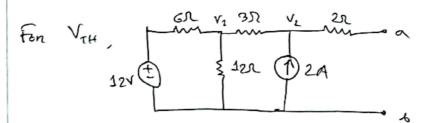
JD: 1931725042





$$6R || 12R = \frac{6 \times 12}{6 + 12} = 4R$$

-. For nammum power transfer RL needs to be 92.



A KCL At VI

$$\frac{V_1 - 612}{6} + \frac{V_1}{12} + \frac{V_1 - V_2}{3} = 0$$

$$\Rightarrow \frac{3V_1}{12} - 2 - \frac{3}{3} = 0$$

KCL at Ve,

$$\frac{V_2-V_1}{3}-2=0 \Rightarrow V_2-V_1=6$$

None: Md. Right Ahard 10:1931725042

From (1)
$$7(V_{L}-6) - 4V_{L} = 2$$

$$\Rightarrow 3V_{L} - 42 = 2$$

$$\Rightarrow 3V_{L} = 44$$

$$= ... V_{L} = 54 \cdot 67 \vee$$