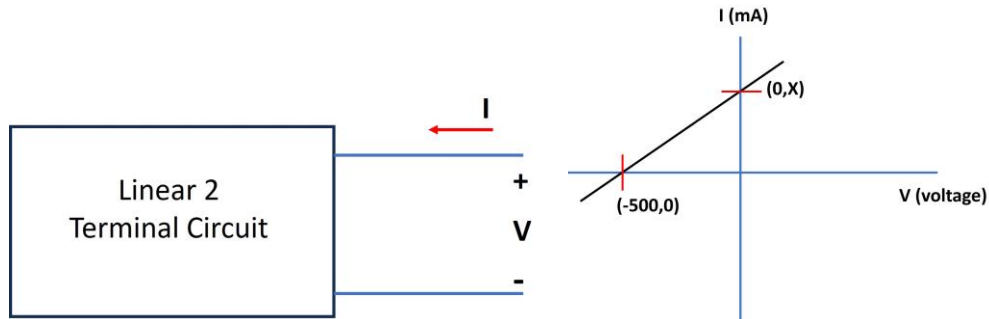


## Quiz-03

***X = Last 2 digits of your student id***

**Q1:** Following is an I-V curve of a linear 2 terminal circuit.

**(3 marks)**

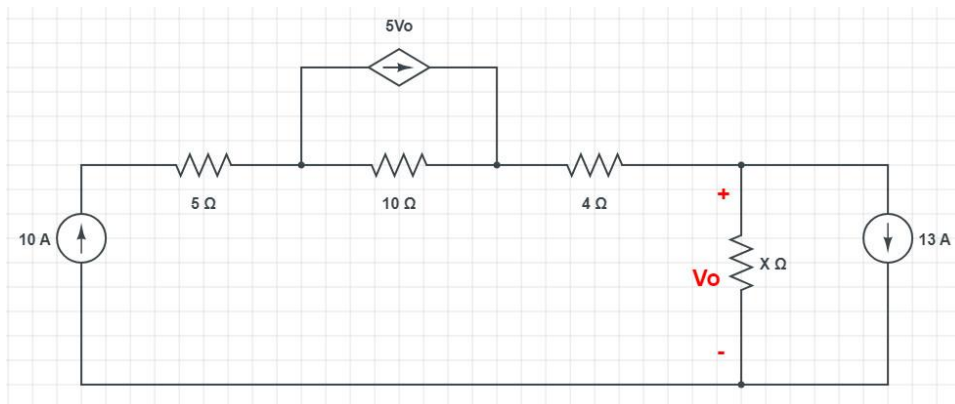


If we replace the linear 2 terminal circuit with its Thevenin and Norton equivalent circuits, then find the following quantities.

- a) Norton Current
- b) Thevenin Voltage
- c) Thevenin Resistance

**Q2:** Apply Superposition Theorem to find  $V_o$

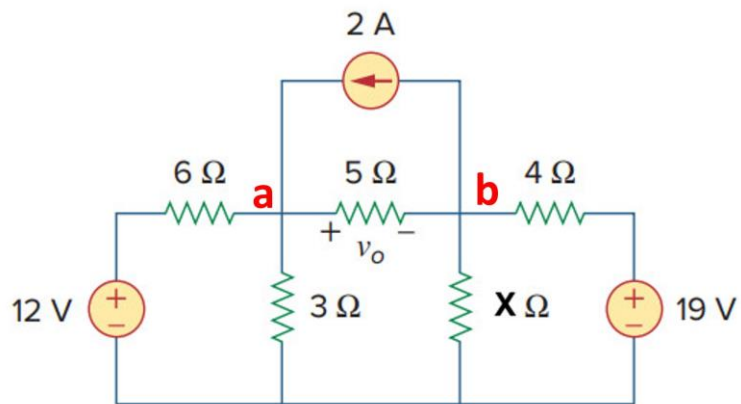
**(6 marks)**



Power absorbed in resistance (X) =?

**Q3**

**(6 marks)**



Find Thevenin equivalent at terminal a-b to find  $V_o$