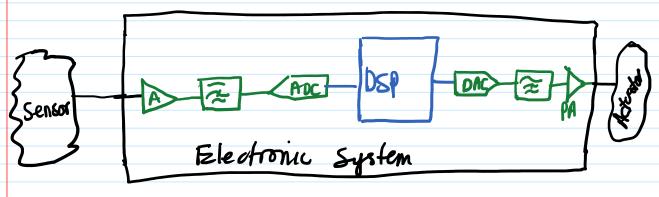
Section 1: Basics.

Wednesday, January 10, 2024 4:06 PM

Last day to submit thus for grade; 2/16/2024 @ 4:10 pm

Electronic System.

- -> Interface with real world (sense)
- -> Process gensor data to extrect Information
 - -> Send information back into real world



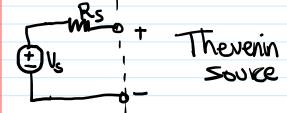
antenna Marophone Keyboard Samera Joystick touch screen satelite thermometer Speaker Speaker clisplay sump pump haptics motor The charge

A.L.L. Madel

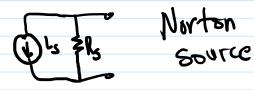
thermometer

Sensor Model

Achatr Model

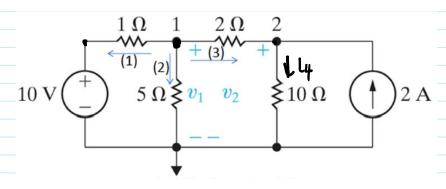








Exercise #1



KCL @ node 1 -4-l2-l3-0 $- (V_1 - 10) - (V_1 - 0) - (V_1 - V_2) = 0 \qquad V_1 - V_2 - (V_2 - 0) + 2 = 0$ 10-1,-4-12-0 5(1,-12)-12+20=0 100-104,-34,-54,+542=0 54,-642 +20=0 100 - 171/ +51/2 =0 -@

KCL @ node 1 13-44-2 =0

1, =9.091, Va = 10.91V

Superposition

