Problem 3.80 Using Multisim, draw the circuit in Fig. P3.80 and solve for \( V_x \).

![Figure P3.80: Circuit for Problem 3.80.](image)

Solution: There are two ways to solve the circuit. Fig. P3.80(a) shows the circuit drawn with a Voltage Controlled Current Source component; the transconductance is set to 2 \( \Omega \), since \( I = 2V_x \).

![Fig. P3.80(a)](image)

Alternatively, one can use the ABM Current source and enter a specific expression (Fig. P3.80(b)); in this case the expression is \( 2 \times V3 \).

![Fig. P3.80(b)](image)
The DC Operating Point Solution for both is shown in Fig. P3.80(c).