



$$\frac{V_1}{1} = \frac{V_{out} - V_1}{4}$$

$$V_{out} = 5V_1$$

$$V_1 + 2V_1 + 12 + 3V_1 = V_1$$

$$12 = -5V_1$$

$$V_1 = -2.4$$

$$I = 2.4 \text{ mA}$$

$$V_1 \cdot 5 = V_{out} = -12$$