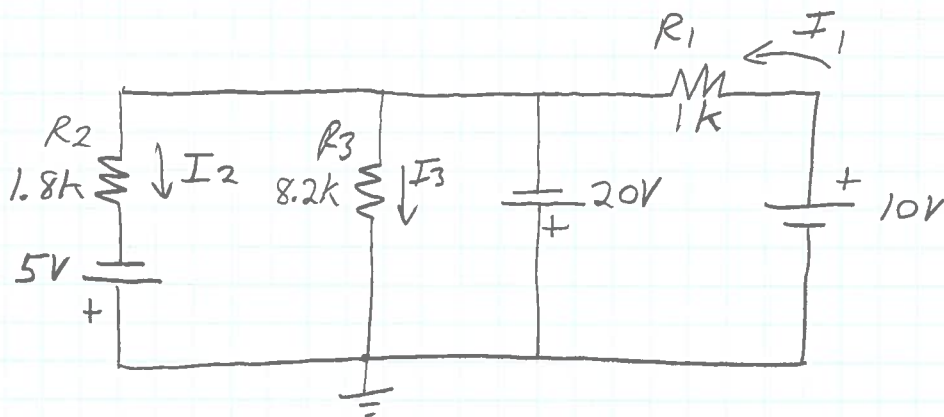


FIND : I_1, I_2, I_3
 P_{R1}

REDRAWN



$$I_1 = \frac{30V}{1k\Omega} = \boxed{30mA}$$

$$I_2 = \frac{-20V - (-5V)}{1.8k\Omega} = \boxed{-8.33mA}$$

$$I_3 = \frac{-20V}{8.2k\Omega} = \boxed{-2.44mA}$$

$$P_{R1} = (I_1)^2 R_1 = \boxed{0.9W}$$

$$= \frac{V_{R1}^2}{R_1} = \frac{(30V)^2}{1k\Omega} = \boxed{0.9W}$$

...