$$R_{1} = 10V$$

$$1K = 1 I_{1}$$

$$1.8K = 1 I_{2}$$

$$1 I_{3} = 1 I_{3}$$

$$1 I_{4} = 1 I_{4}$$

$$1 I_{5} = 1 I_{5}$$

$$1 I_{7} = 1 I_{7}$$

$$1 I_{7} =$$

REDRAWN

$$R_{1} = I$$

$$R_{2} = I$$

$$I.8k \leq I^{2} = 8.2k \leq I^{3} = 20V$$

$$I = I$$

$$I_{1} = \frac{30\nu}{1kn} = \boxed{30 \text{ mA}}$$

$$I_2 = \frac{-20V - (-5V)}{1.8/\tau} = \left[-8.33 \text{ mA} \right]$$

$$I_3 = \frac{-20V}{8.2K_{r}} = \frac{1}{2.44MA}$$

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

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