Determine the power received by each of the three resistors.



$$v3 = 4 V$$

$$v4 = 2 V$$

$$R1 = 2 \Omega$$

$$R2 = 1 \Omega$$

$$R3 = 4 \Omega$$

(a)
$$R_1 \cdot P = R_1 \cdot L_1^2 = 2 \cdot 4^2$$
 $P_{R_1} = 32 \text{ W}$
(b) $R_3 \cdot P = \frac{U_1^2}{R_3} = \frac{4}{4}$ $P_{R_3} = 1 \text{ W}$

$$P = \frac{\sqrt{a}}{R_2} = \frac{1}{1}$$
 $\left[\int_{R_1}^{R_2} = 1 w \right]$