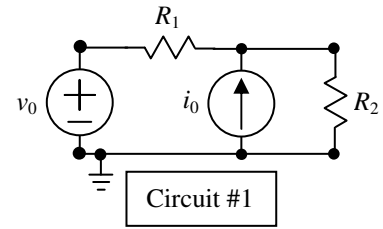


Name: _____

Given: Circuit #1, with $v_0 = 24\text{V}$, $i_0 = 1\text{A}$, $R_1 = 12\Omega$, and $R_2 = 8\Omega$.

Find: Power of each of the 4 elements.



Answers

$$p_{VS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{CS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R1} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R2} = \underline{\hspace{2cm}} \text{ W}$$

Given: Circuit #1, with $v_0 = 12\text{V}$, $i_0 = 1\text{A}$, $R_1 = 8\Omega$, and $R_2 = 12\Omega$.

Find: Power of each of the 4 elements.

Answers

$$p_{VS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{CS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R1} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R2} = \underline{\hspace{2cm}} \text{ W}$$

Given: Circuit #1, with $v_0 = 10\text{V}$, $i_0 = 1\text{A}$, $R_1 = 5\Omega$, and $R_2 = 15\Omega$.

Find: Power of each of the 4 elements.

Answers

$$p_{VS} = \underline{\hspace{2cm}} \text{ W}$$

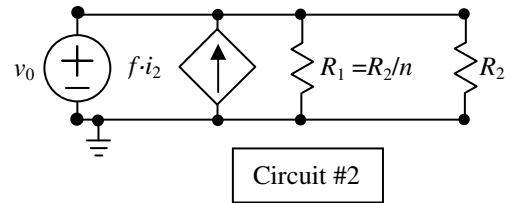
$$p_{CS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R1} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R2} = \underline{\hspace{2cm}} \text{ W}$$

Given: Circuit #2, with $v_0 = 10\text{V}$, $f = 3$, $n = 7$, and $R_2 = 25\Omega$.

Find: Power of each of the 4 elements.



Answers

$$p_{VS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{CS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R1} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R2} = \underline{\hspace{2cm}} \text{ W}$$

Given: Circuit #2, with $v_0 = 6\text{V}$, $f = 5$, $n = 3$, and $R_2 = 20\Omega$.

Find: Power of each of the 4 elements.

Answers

$$p_{VS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{CS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R1} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R2} = \underline{\hspace{2cm}} \text{ W}$$

Given: Circuit #2, with $v_0 = 24\text{V}$, $f = 4$, $n = 12$, and $R_2 = 160\Omega$.

Find: Power of each of the 4 elements.

Answers

$$p_{VS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{CS} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R1} = \underline{\hspace{2cm}} \text{ W}$$

$$p_{R2} = \underline{\hspace{2cm}} \text{ W}$$