12. \_\_\_\_\_

12. What is the power dissipation of the lamp?

13. What is the current in the lamp?

14. What is the resistance of the lamp?

	eries circuit powered by a 3.0 V of What is the total or equivaler circuit?			- <u>R</u> 1 330 Ω		$R_2$ $2200 \Omega$ $3.0 V$	- R <sub>3</sub> - 1000 Ω
16.	What is the current through thi	s circuit?				16	
17.	What are the voltages across ea	nch resistor?				$V_2 = _{-}$	
A parallel circuit powered by a 6.0 V cell is shown.							
18.	What is the total or equivalent	resistance of	this circuit 18.		_ 330 _ <b>D</b>	2200 R <sub>1</sub>	100R <sub>3</sub>
19.	What is the current through the	e cell?	19		_ 5		3.0 V
20.	What are the currents through	each resistor	?			I <sub>2</sub> =	
21.	What is the current through the	e point X?				21	
A series circuit powered by a battery whose voltage is 6.0 V is shown in the schematic diagram.							
	Label $V_{\text{OUT}}$ and $V_{\text{IN}}$ in this circuit		_	In diag			
23.	Suppose the value of $R_1$ is 2400 what should the value of $R_2$ be			"tap" 1.5 \ 		1	R <sub>1</sub>
24.	Suppose the value of $R_2$ is 2400 what should the value of $R_1$ be			"tap" 1.5 \ ·		Ť	R <sub>2</sub>
25.	What is this type of circuit calle	d?	25				_ Ч
	rcuit constructed of resistors and Use Kirchhoff's rule for I and Veach junction.	_	rent equat	ions for	<b>Q8</b>	<u>,</u>	<u></u>
27.	Use Kirchhoff's rule for <i>V</i> and Loop X.	write the vo	•	tion for	16 V	Loop ×	<u>v</u> ∕ ⊓
28.	Use Kirchhoff's rule for <i>V</i> and Loop Y.	write the vo 8				$\subseteq$	- 8 Ω

29. Find the values of the three currents and the four resistor voltages. Write them in the diagram.