

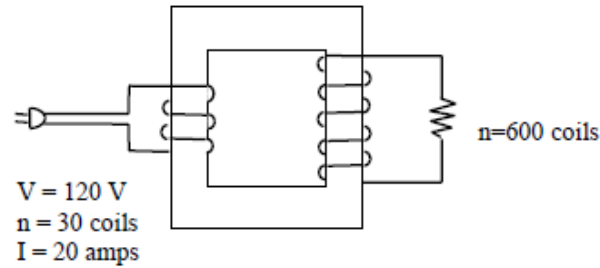
Name: _____

Date: _____

Physics

Mr. Goddard

Transformer Worksheet



1.) Fill in the table below for the transformer shown above.

	Primary	Secondary
Voltage		
Current		
# of Coils		
Power		

2.) Is this a step up or step down transformer?

3.) A transformer has a primary coil with 200 turns, and a secondary coil with 2000 turns. The input voltage is 120 V, and it runs at 1800 W. Fill in the table below for this transformer.

	Primary	Secondary
Voltage		
Current		
# of Coils		
Power		

4.) Is this a step up or step down transformer?

5.) A transformer has a primary coil with 100 turns and 35 A, and the secondary coil has 150 turns. The power in the secondary coil is 1.4 kW. Fill in the table below for this transformer.

	Primary	Secondary
Voltage		
Current		
# of Coils		
Power		

6.) Is this a step up or step down transformer?

7.) A transformer has an output voltage of 40 V and an output current of 5 A. The input current is 0.25 A and the primary coil has 50 turns. Fill in the table below for this transformer.

	Primary	Secondary
Voltage		
Current		
# of Coils		
Power		

8.) Is this a step up or step down transformer?

9.) 180 V goes into 300 coils. 270 V comes out of the transformer. The power is 7.2 kW. Fill in the table below for this transformer.

	Primary	Secondary
Voltage		
Current		
# of Coils		
Power		

10.) Is this a step up or step down transformer?

