

1. For the small power transmission system shown in Figure 1 below, find the output voltage  $V_0$ , the output current  $I_0$ , and the output real power  $P_0$ .

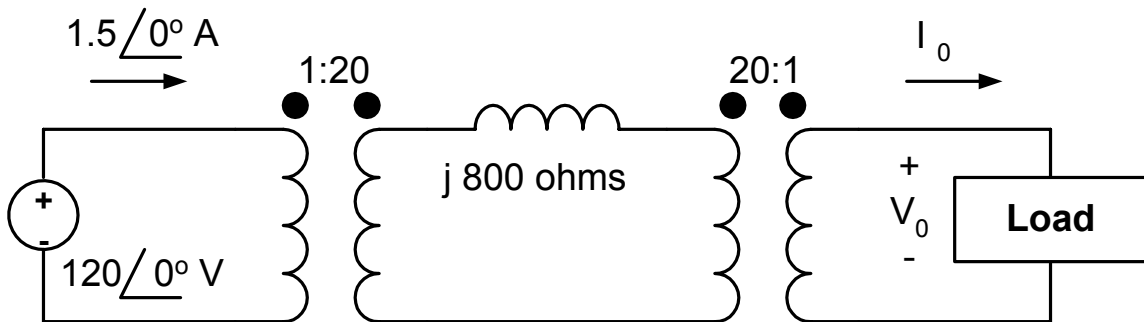


Figure 1. Small Transmission System

**There is another problem on the other side of this page.**

ECE 320 / 329  
Quiz #5  
Transformers

2. Find the input real power from the 100V source shown in Figure 2 below.

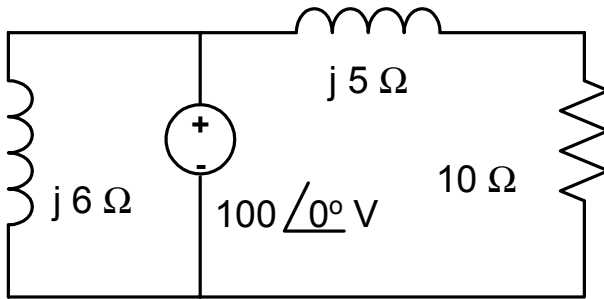


Figure 2. Real Power Circuit.

**There is another problem on the other side of this page.**