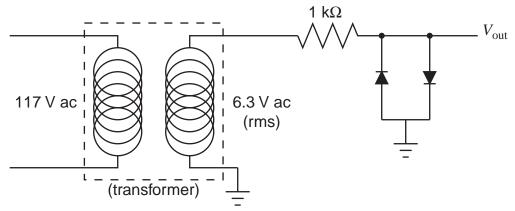
Physics 251 Fall 1998

Homework #10 Due: Friday November 20, 1998

- 1. Tipler 28-62.
- **2**. Tipler 28-66.
- **3**. Tipler 28-75.
- 4. (Horowitz & Hill Additional Exercise 1-7) Sketch the output for the circuit shown below.



5. For the *pnp*-transistor amplifier shown below, suppose $R_b=2$ k Ω and $R_L=10$ k Ω . Suppose further that 10 μ A ac base current generates a 0.5 mA ac collector current. What is the voltage gain of the amplifier?

