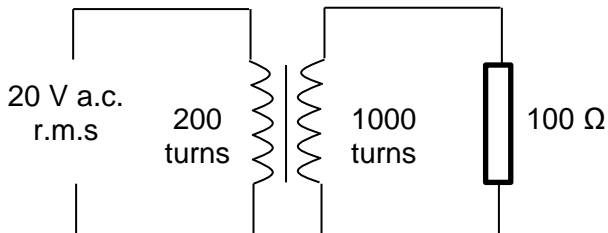


- 26** The primary coil of an ideal transformer has 200 turns and is connected to a power supply of 20 V root-mean-square. The secondary coil has 1000 turns and is connected to a resistor of resistance $100\ \Omega$.



What is the peak primary current?

- A** 1.0 A
- B** 1.4 A
- C** 5.0 A
- D** 7.1 A

- 27** Which of the following statements are correct? Select two from the list.