A coil is 10cm x 10cm and is in a 0.5 Tesla Magnetic field. what is the flux through the coil (Mks)?

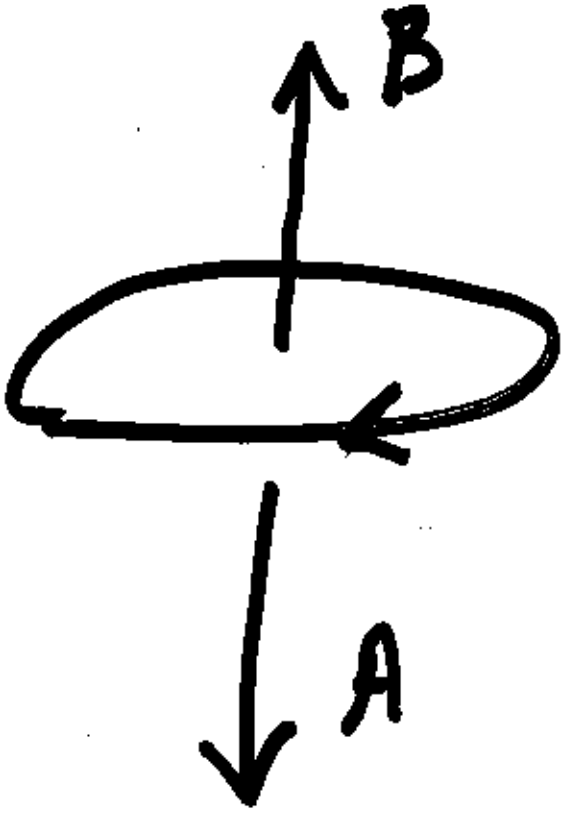
A. 5 $T \cdot m^2$

B. 0.5 $T \cdot m^2$

C. $5 \cdot 10^{-3}$ $T \cdot m^2$

D. 10 $T \cdot m^2$

E. 10^{-2} $T \cdot m^2$



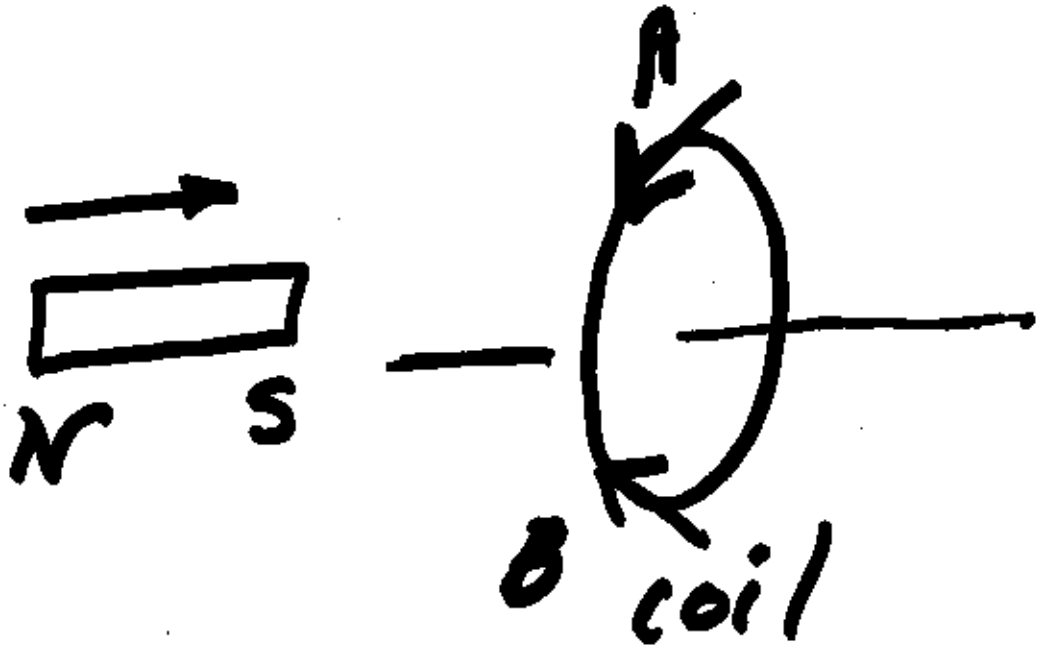
A current flows in a coil which direction is the Magnetic field?

A.)

B.)

A Magnetic field drops from 1 Tesla to 0 in 1/60 sec. in a coil of 1 m^2 Area what is the induced voltage? (N=1)

1. 1 Volt
2. 1/2 Volts
3. 1/10 Volt
4. 1/25 Volt
5. 1/60 Volts

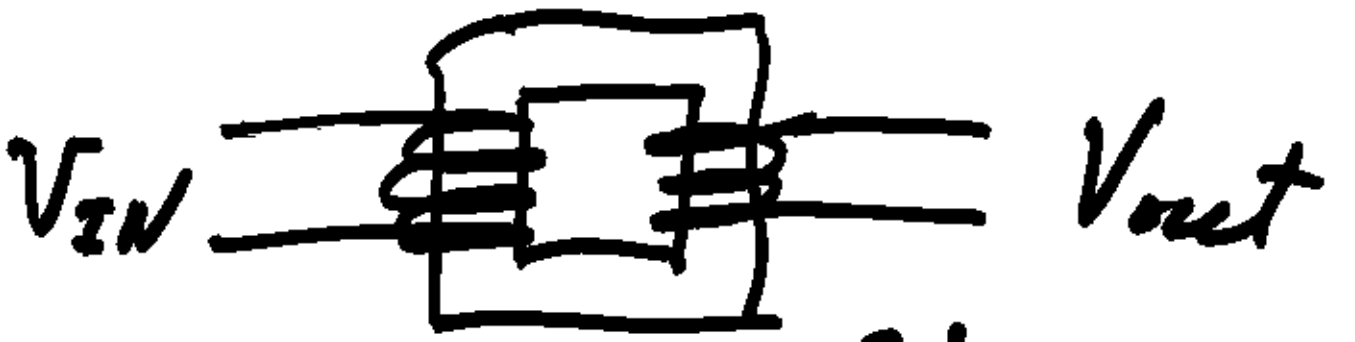


which direction does the current flow IN the coil?

A.)

B.)

A Transformer has



IF the output voltage is 10 volts what is Input Voltage

A. 7 Volts

B. 15 volts

C. 25 Volts

D. 10 Volts

E. (5-2) Volts