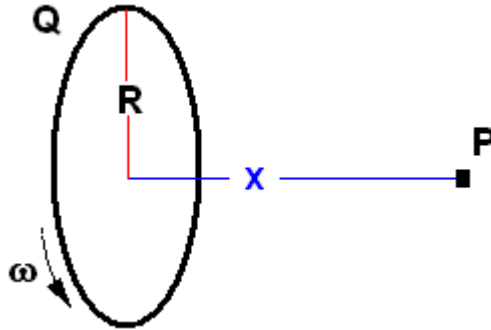


# Physics II

## Rotating Charged Ring and Disk

**Problem 1.-** Find the magnetic field at point P due to a ring of radius R, uniformly charged with charge Q rotating with angular frequency  $\omega$  as shown in the figure.



**Problem 2.-** Find the magnetic field at point P due to the disk of radius R, uniformly charged with charge Q rotating with angular frequency of  $\omega$  as shown in the figure.

