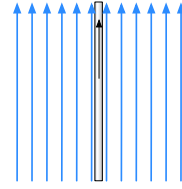
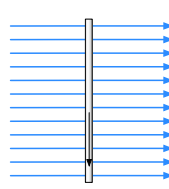
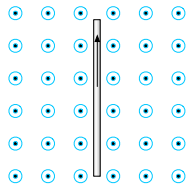
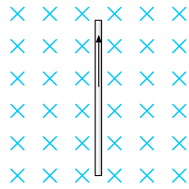


**Magnetic Forces Exerted by
Magnetic Fields on Currents
Physics II**

Name _____

Date _____ Period _____

1. Wires carrying current are placed in magnetic fields created by other magnets as shown below. In each case use a force vector to show the direction of the force experienced by the current because of the magnetic field in which it is immersed.



2. Use “tailfeathers” and “arrow points” to show the magnetic field created by the current shown in the plane of the page.



3. Sketch the force vector for the force acting on current 1 because of the magnetic field created by current 2.



4. Sketch the force vector for the force acting on current 1 because of the magnetic field created by current 2.

