

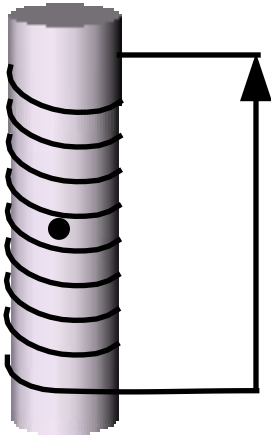
Quiz 6

Directly on the below diagrams (A–F) report directions by drawing arrows. Note that an arrow pointing into the page is usually denoted circled \times : \otimes
 out of the page circled dot: \odot
 If the vector is zero, report so in words.

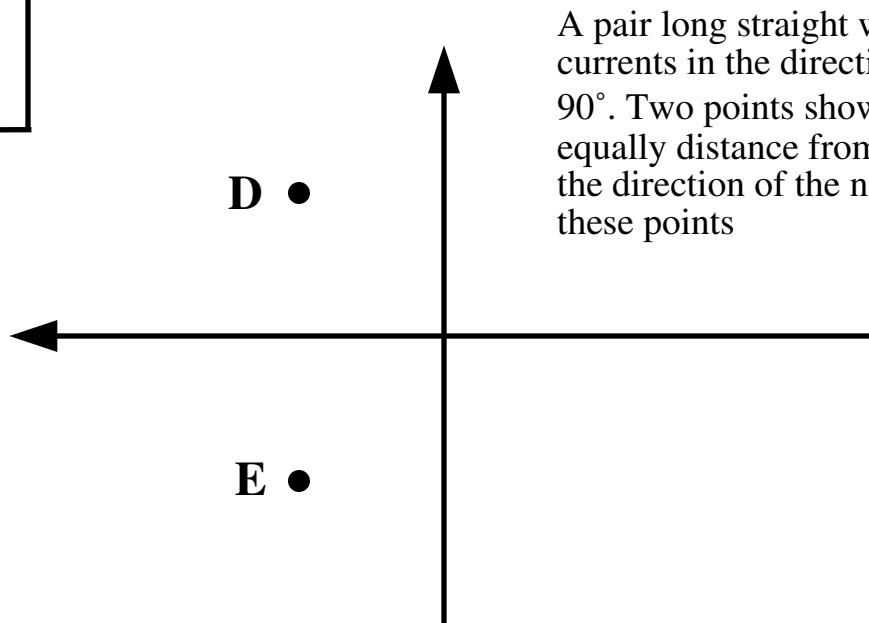
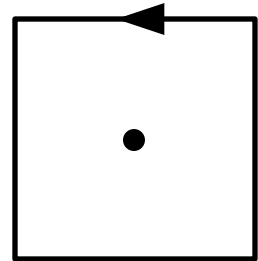


● **A:** Near the end of the south pole of a bar magnet report the direction of the magnetic field.

B: Report the direction of the magnetic field at the center of this solenoid; the current in the long straight wire connecting the bottom to top is going up as shown



C: A current is flowing around a square a loop circuit the direction shown. Report the direction of the magnetic field at the center of the square



A pair long straight wires carrying equal currents in the directions shown cross at 90° . Two points shown **D** & **E**, are equally distance from both wires. Report the direction of the net magnetic field at these points

F: The picture to the right shows a battery that drives a current through a thin wire which is suspended above the north pole of a magnet. When the battery is connected, which way will the thin wire move?

