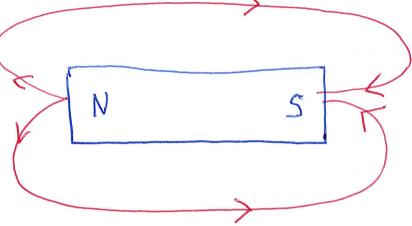
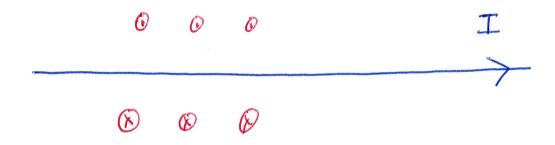
Name: _____

NEY

1. Draw in the field shape and direction for the magnet below.

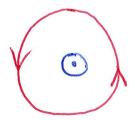


2. Draw in the field shape for the wire below



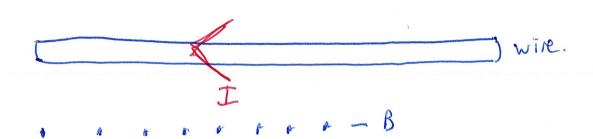
3. Draw in the field shape for the wire below



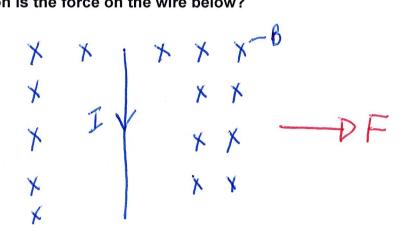


4. Draw in the current direction for the wire below, based on the indicated magnetic field direction.

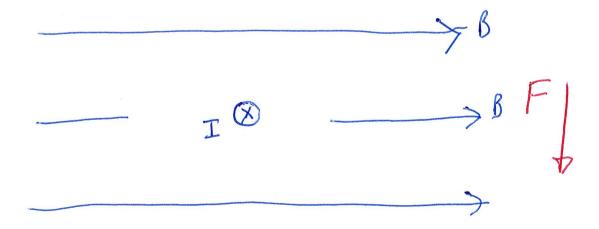
 $\times \times \times \times \times \times \times \times - \beta$ - (magnetic field).



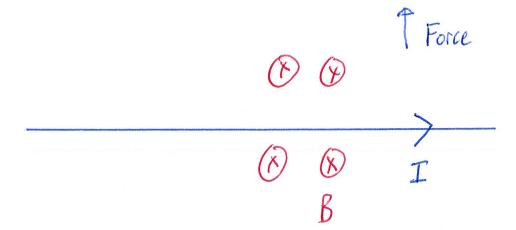
5. What direction is the force on the wire below?



6. What is the direction of force on the wire below?



7. Draw in the required B field below

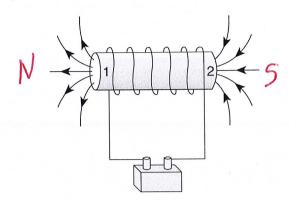


8. Draw in the required B field below.



9. Field Shapes off bar magnets and solenoids

Identify the magnetic poles 1 and 2 of the current-carrying solenoid in the diagram below.

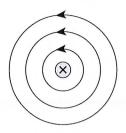


| | POLE 1 | Pole 2 |
|----|--------|--------|
| A. | North | North |
| B. | North | South |
| C. | South | North |
| D. | South | South |

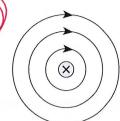
10. RHR

Which one of the following diagrams best illustrates the magnetic field produced by a current-carrying wire?

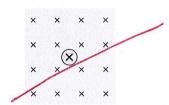
A.



В.



C.

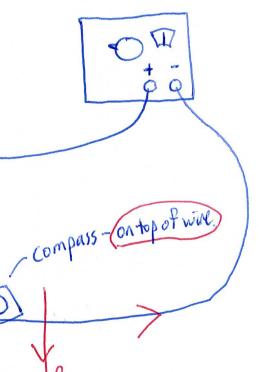


D.



11. RHR

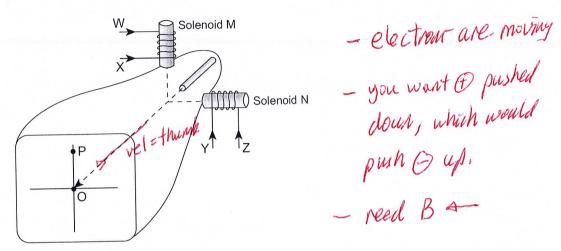
Draw in direction the compast would point.



12. RHR



When there is no current in the solenoids, the electron beam in the cathode ray tube strikes the screen at the origin O.



In order to move the beam to position P, which solenoid is used and what is the direction of the current applied?

| | SOLENOID | CURRENT DIRECTION |
|----|----------|-------------------|
| Α. | M | W |
| В. | M | X |
| C. | N | Y |
| D. | N | Z |

- to get B
use solenoid N

- to get B
you reed

current direction y.