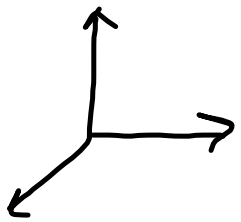
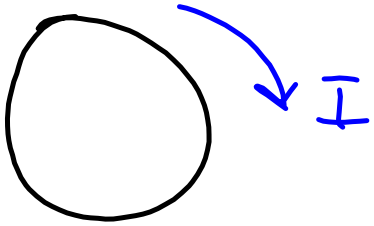
Right-Hand Rules

1)



2) Loop of current



Fingers curl in direction of current
Thumb points in the direction of $\vec{B}$

3) Straight wire

Thumb in direction of current
Fingers curl in shape of $\vec{B}$

Unit for magnetic field

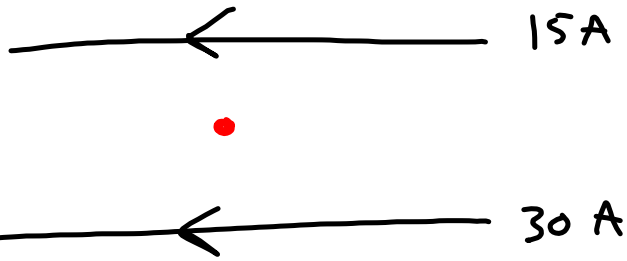
- Tesla
- Gauss

Test Topics

- Electric Potential
  - Ch. 16 in M&I → 16.1 – 16.6
  - Relationship between $\bar{E}$ and V
  - Relationships between $\bar{E}$, U_E, V, and $\bar{F}$ (energy considerations)
  - Review problems given in class
- Magnetic Fields
  - Ch. 17 in M&I → 17.1 - 17.3, 17.6 - 17.8
  - "short" versions of $\bar{B}$ equations
  - Process for solving Biot-Savart
  - Problems (one dot only) from the sections above

PRACTICE

1)



Direction of $\vec{B}$ at red dot

Into page!