

WEIGHT - Attraction force
- varies in universe

Problem solving steps.

- ① - READ THE PROBLEM CAREFULLY
- ② - DRAW A FREEBODY DIAGRAM (FBD)

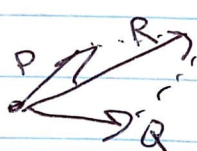
Attempt to draw forces in the
CORRECT direction

STATICS OF PARTICLES.

- PARTICLE - A single dot for which dimensions are ignored.

- Forces and Equilibrium in 2D

- Resultant of two forces



$$\vec{R} = \vec{P} + \vec{Q}$$

• Dot

3 METHODS

- Graphical

- TRIGONOMETRIC

- COMPONENTS.