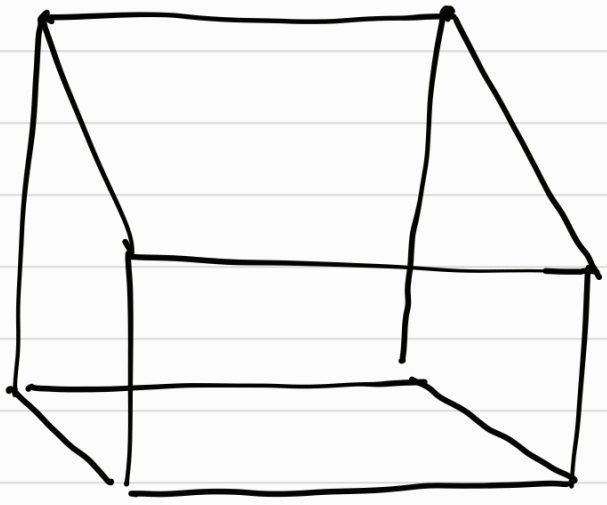
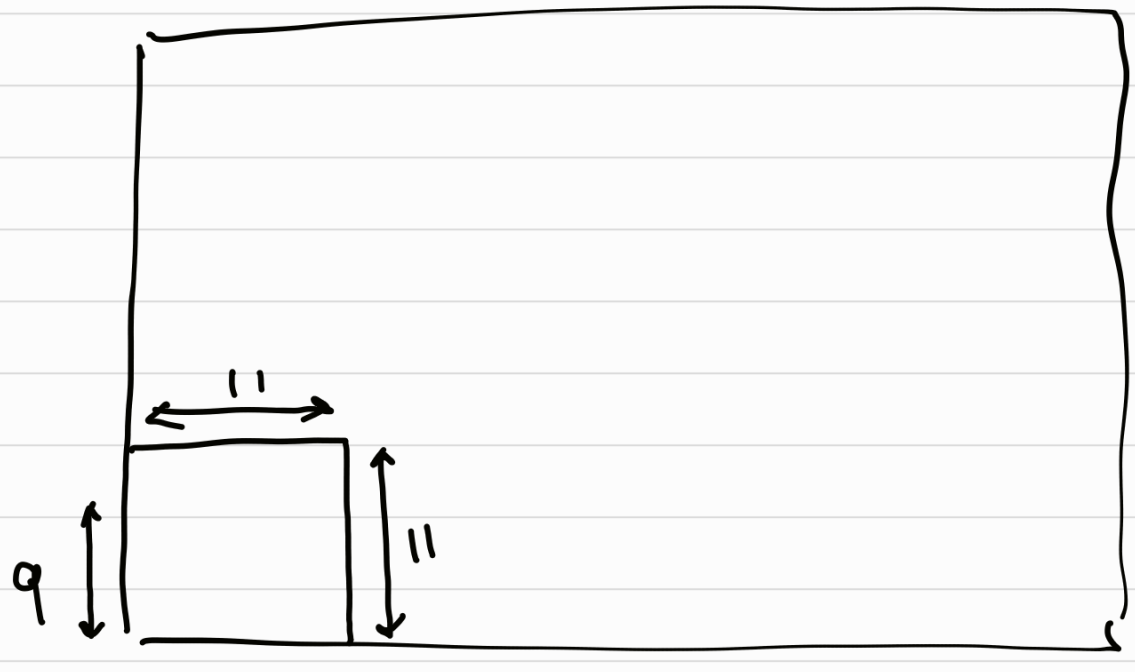
PCB → 10 cm X 10cm.

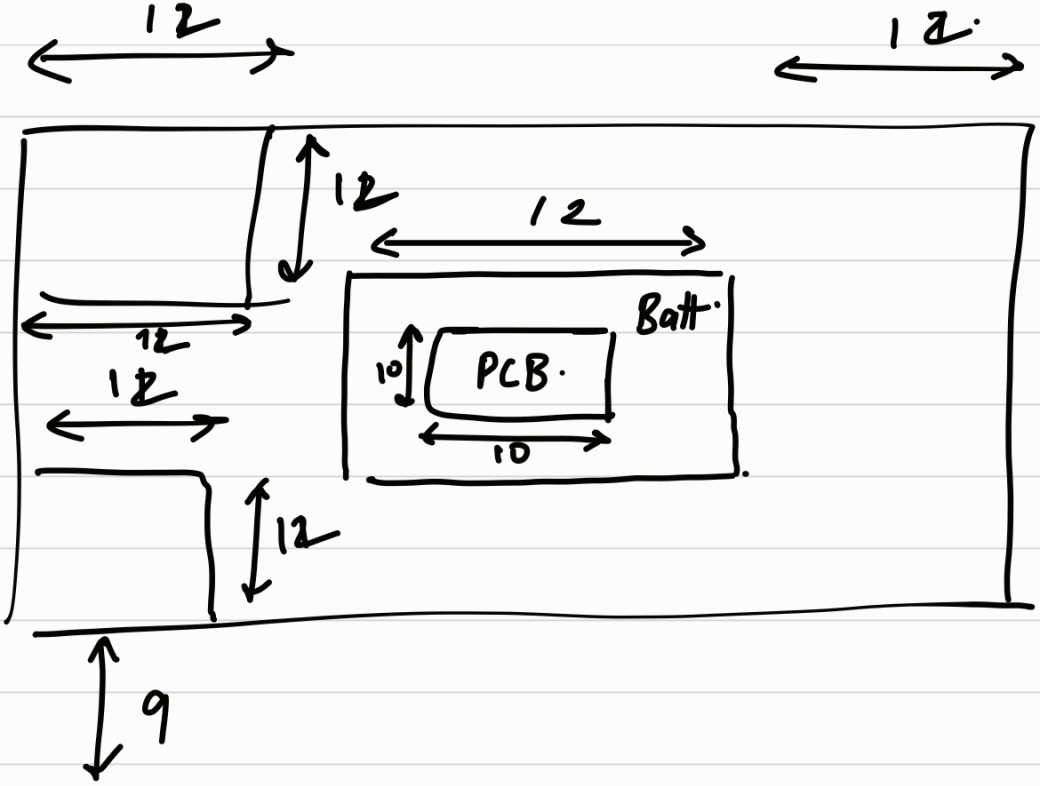
Battery →

Actuators → (105 mm) dia, thickness 85 mm

Cameras →

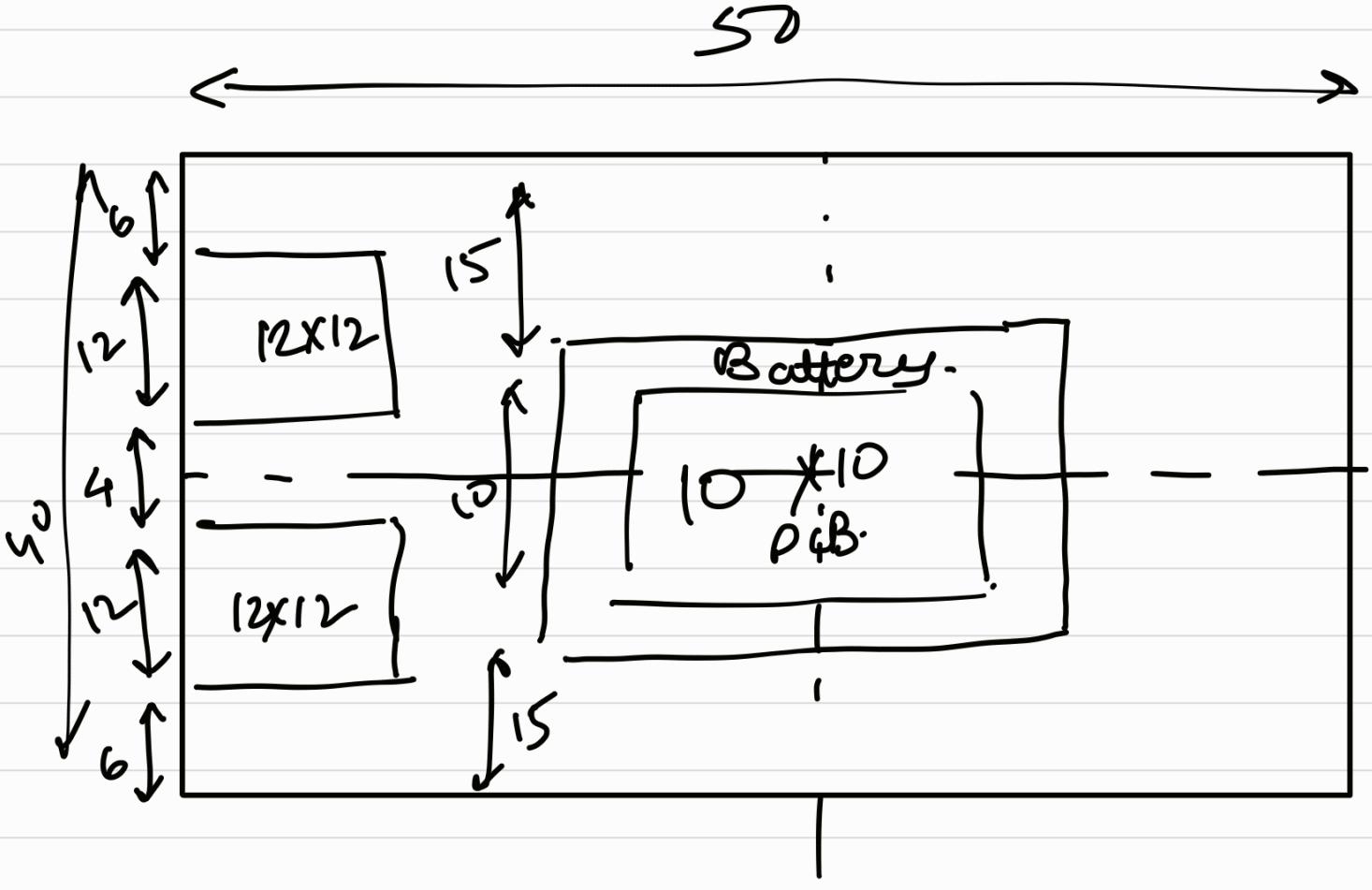


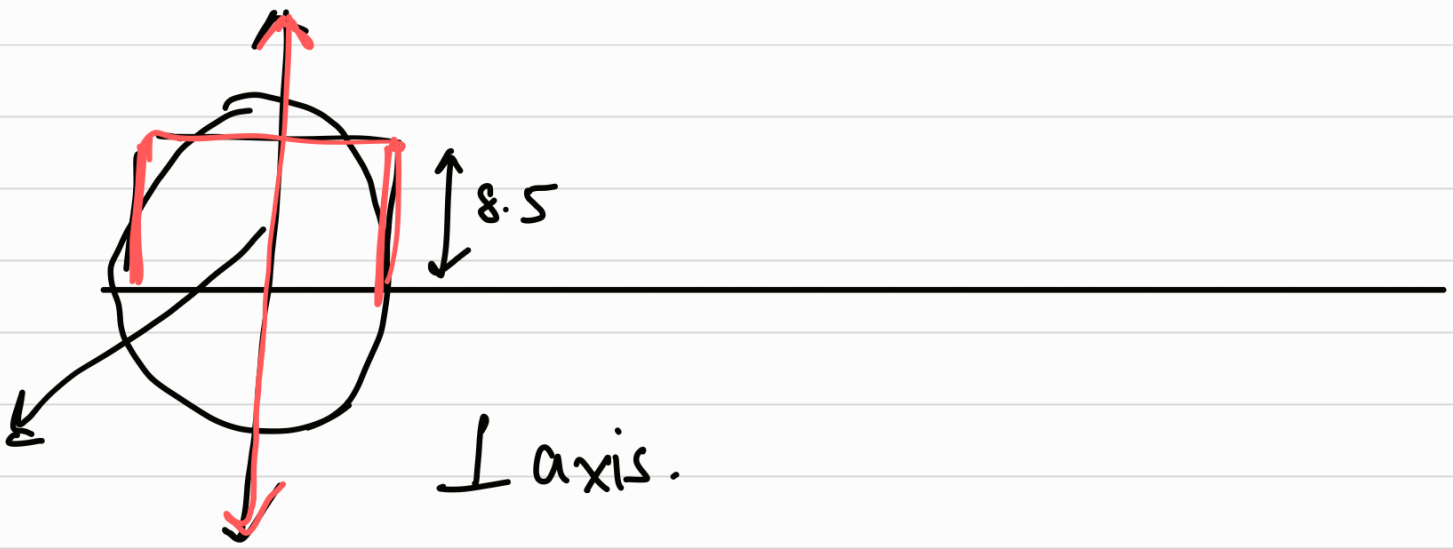




22 + 12 = 34 cm. (6 cm space).

50X40 ⇒ nicely spaced.





Dynamic & Kinetic factors to consider:

① Dynamics.

→ related to forces, motion, energy.

→ takes into account physical interactions blw environment & the robot.

1. Balance
2. Forces
3. Inertia
4. Friction
5. Collision
6. Energy

② Kinematical factors.

→ only based on robotic geometry

→ position, velocity & acceleration

1. Joint angles
2. End-Effector Position (P.O.C/gripper)
3. Forward & Inverse Kinematics.