Whiteboard robot

Mechanical

* off the shelf parts
  + mounting, l brackets
  + steppers
  + fishing line, plain string
  + hose clamps
  + weights (washers)
  + whatever else we find at home hardware/active surplus

Circuits

* arduino
* motor drivers
* power supply
* (rotary encoders and dc’s)

Mount the dc motors with hose clamps to brackets

Shaft coupler/spool

Fishing line attached to the spools

Line attached to hose clamp marker (bearing for each line idea)

Marker on an angle, counter weights (bearings would have to be large enough)

Decouple the rotation of the marker – angle up and down, as well as angle left and right

PROBLEM with dc motors – stopping and starting, motor inertia, friction etc.

(starting and stopping required for almost everything)