## Intro to Robotics Quiz B

1) Describe how you would structure a program to control two additional motors (a teeny platform on top of your 3Pi) which allows ultrasound sensors elevation and azimuth control. It must operate while the 3Pi is moving.
2) You need to turn a hair dryer on and off using your 3Pi. What hardware would you use to do this? A quick sketch.
3) You have a computer that outputs an analog voltage $(0->5v)$ on one of it's pins. It's output impedance is 10k ohms. Can you drive a device with an input impedance of 1k ohms? If not, why. Calculate the peal voltage into the target device.