To Do:

- update README
- update hackster
- ~~laser cut/engrave~~
- ~~assembly/wiring~~
- ~~coding~~ presentation
- ~~Fit fritzing~~
- scan
- comment code

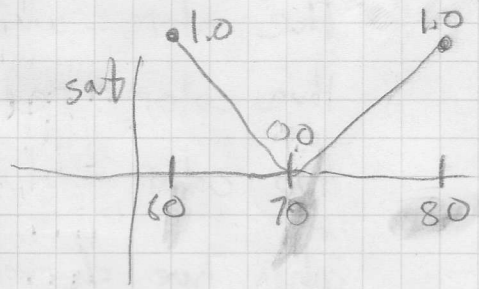
neopixel colors

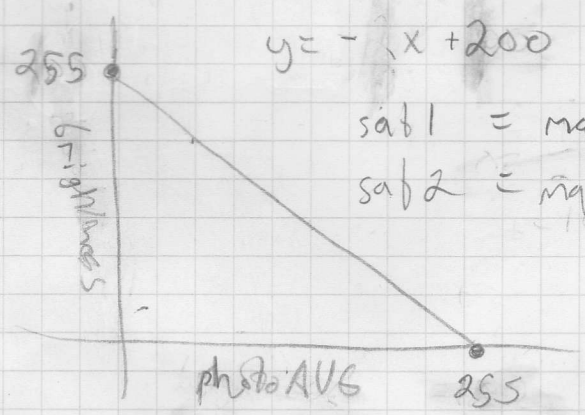
0 - blue
1 - navy
2 - white
3 - pink
4 - purple
5 - maroon
6 - red

```
int photoValues[20]

x=0
photoValues[x%20] = analogRead(PHOTO)
x++

for(y=0, y<20, y++){
  photoSum = y + photoSum
}
photoAVG = photoSum / 20

brightness = map(photoAVG, 100, 0, 0, 200)
```

```
colorTemp = map(tempF, 65, 85, 0, 6);
```

color=0 → saturation(0.0→1.0)
color=255 → saturation(0.0→1.0)
at 70 → saturation=0.0





y = -x + 200

```
sat1 = map(tempF, 70, 80, 0.0, 1.0)
sat2 = map(tempF, 60, 70, 1, 0)
```

brightness = 200 - photoAVG