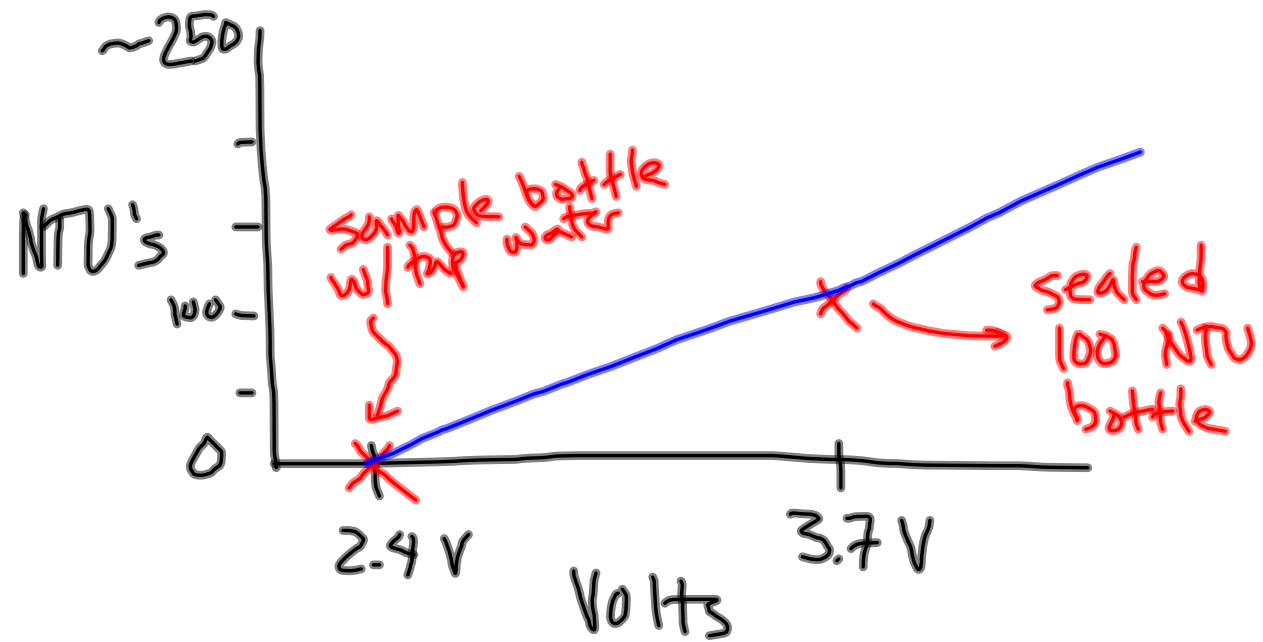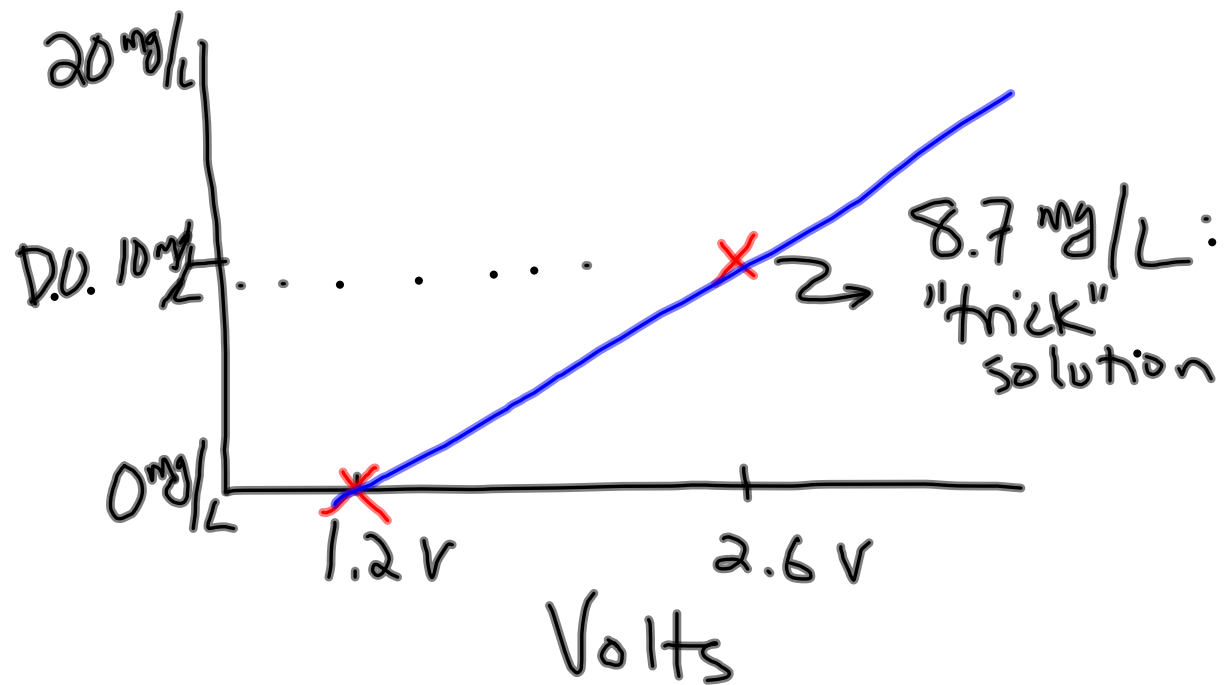# Calibration:

- Sensors measure <u>Volts</u> — the computer interprets that information based on an equation
- D.O. and turbidity sensors will give different readings over time and in different environments
- We need to tell the computer what equation to use

Calibration Curve:

~250

NTU's

100

0

Sample bottle
w/ tap water

sealed
100 NTU
bottle

2.4 V   3.7 V

Volts

20 mg/l

D.O. 10 mg/L

0 mg/L

1.2 V   2.6 V

Volts

8.7 mg/L:
"trick"
solution

3

1. Copy notes or 5 minute break

2. In groups of 3:
   Each person should calibrate
   BOTH SENSORS

8.7 mg/L