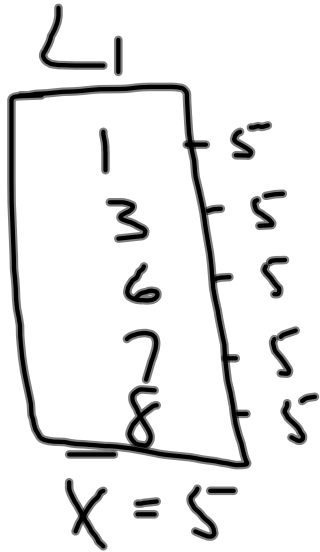


$$S_x = \sqrt{\frac{\sum (X_i - \bar{X})^2}{n-1}} = \sqrt{\frac{34}{4}}$$



-4	16
-2	4
1	1
2	4
3	9
34	

$$S_x = \sqrt{8.5} = 2.9$$

$$\bar{X} = 5$$

$$S_x = 2.92$$

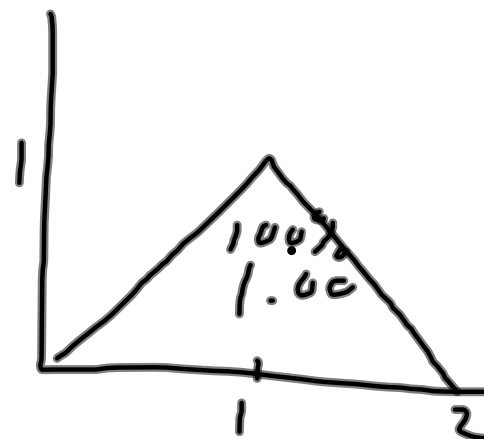
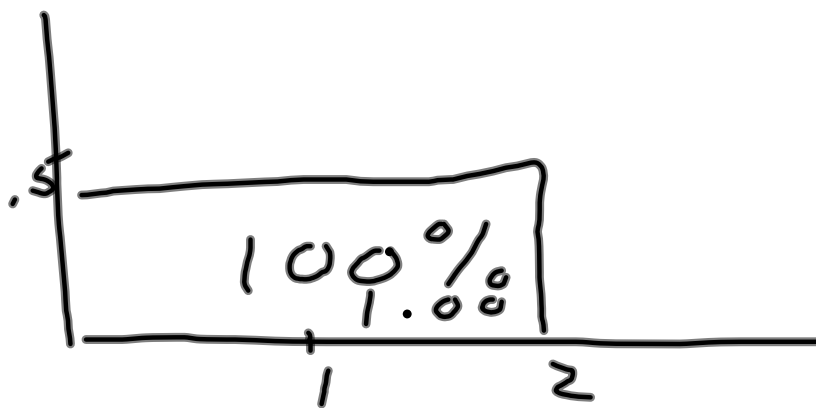
MIN X
 Q1
 MED
 Q3
 MAX X

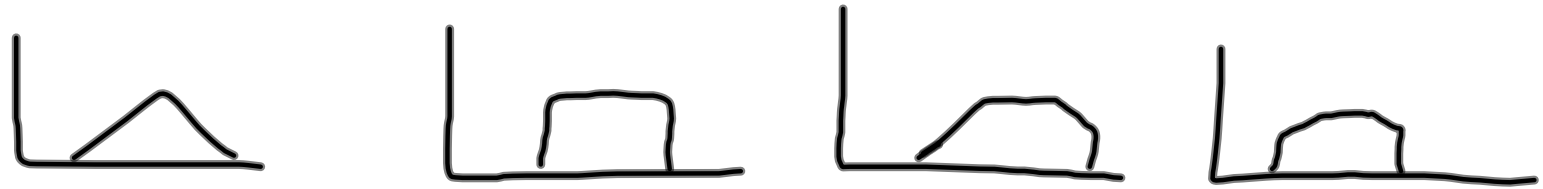
1
 2
 3
 4
 5
 7.5 } IQR

50 Students 85

5 0 }
10 50 } 85
35 }

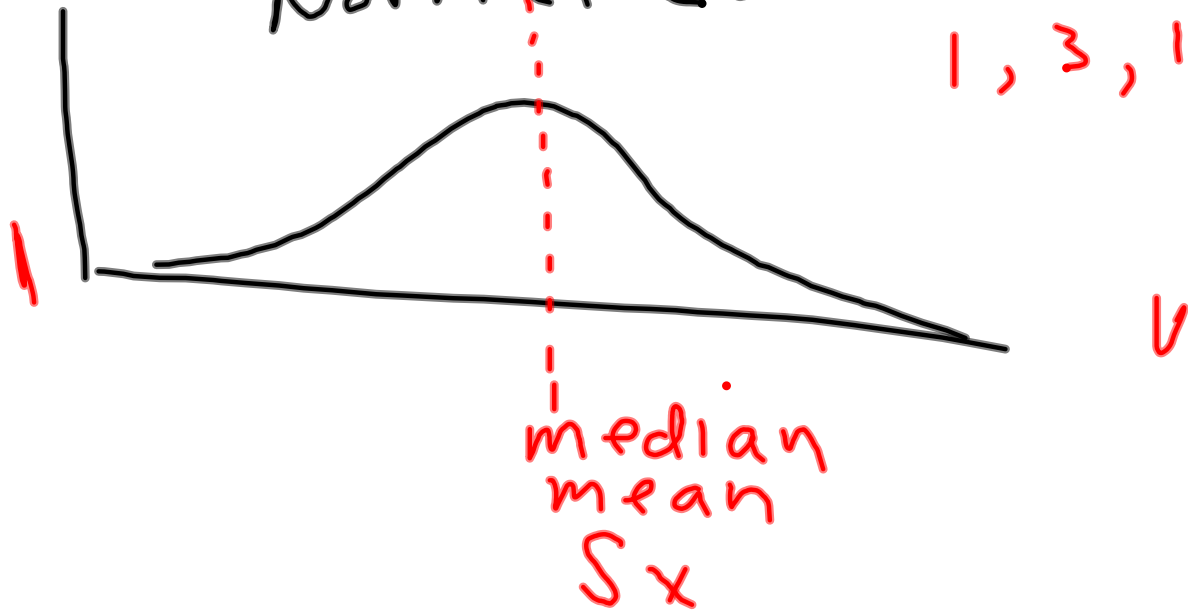
1 0 }
~~9~~ 100 } 85
40 }

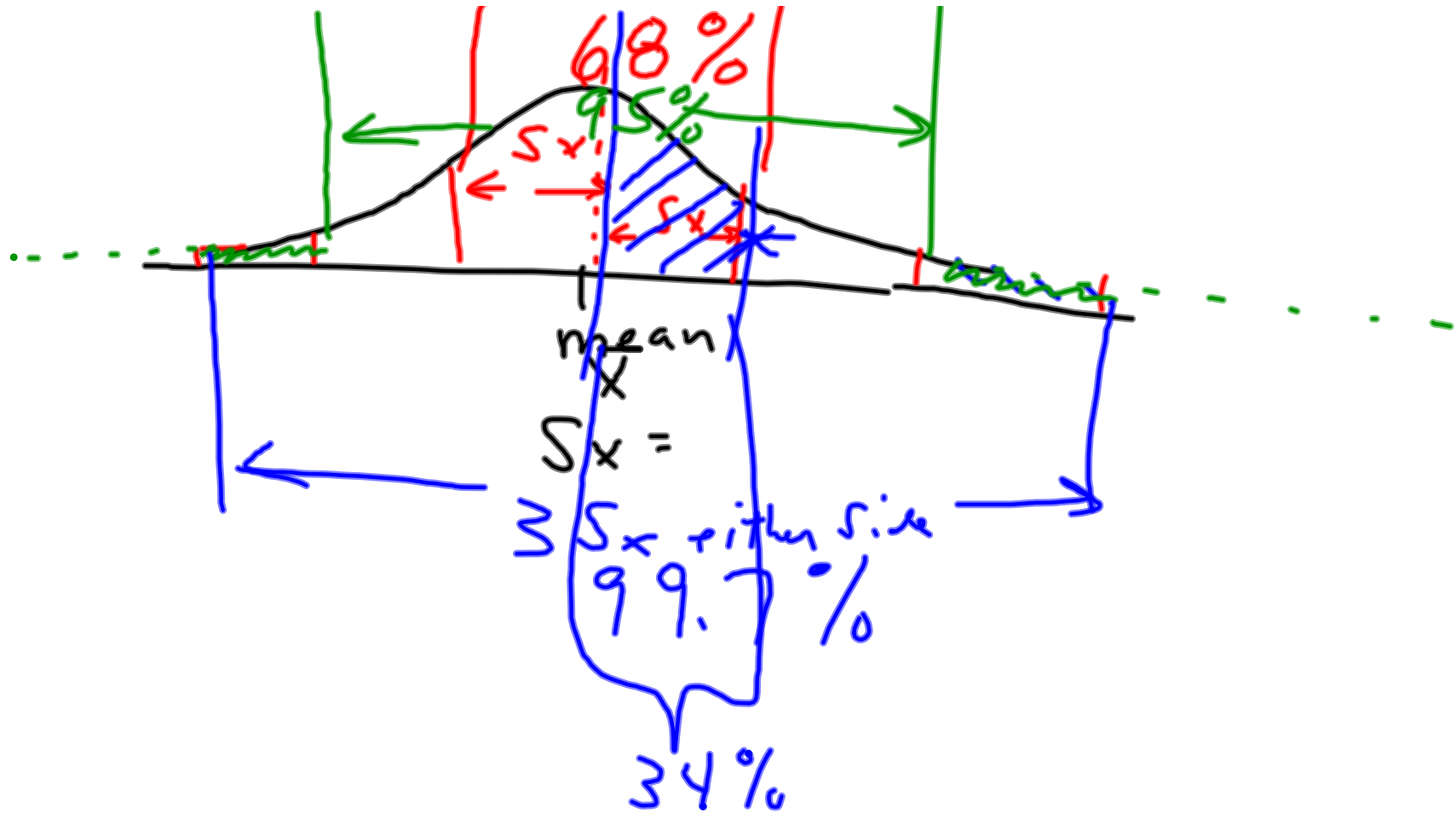


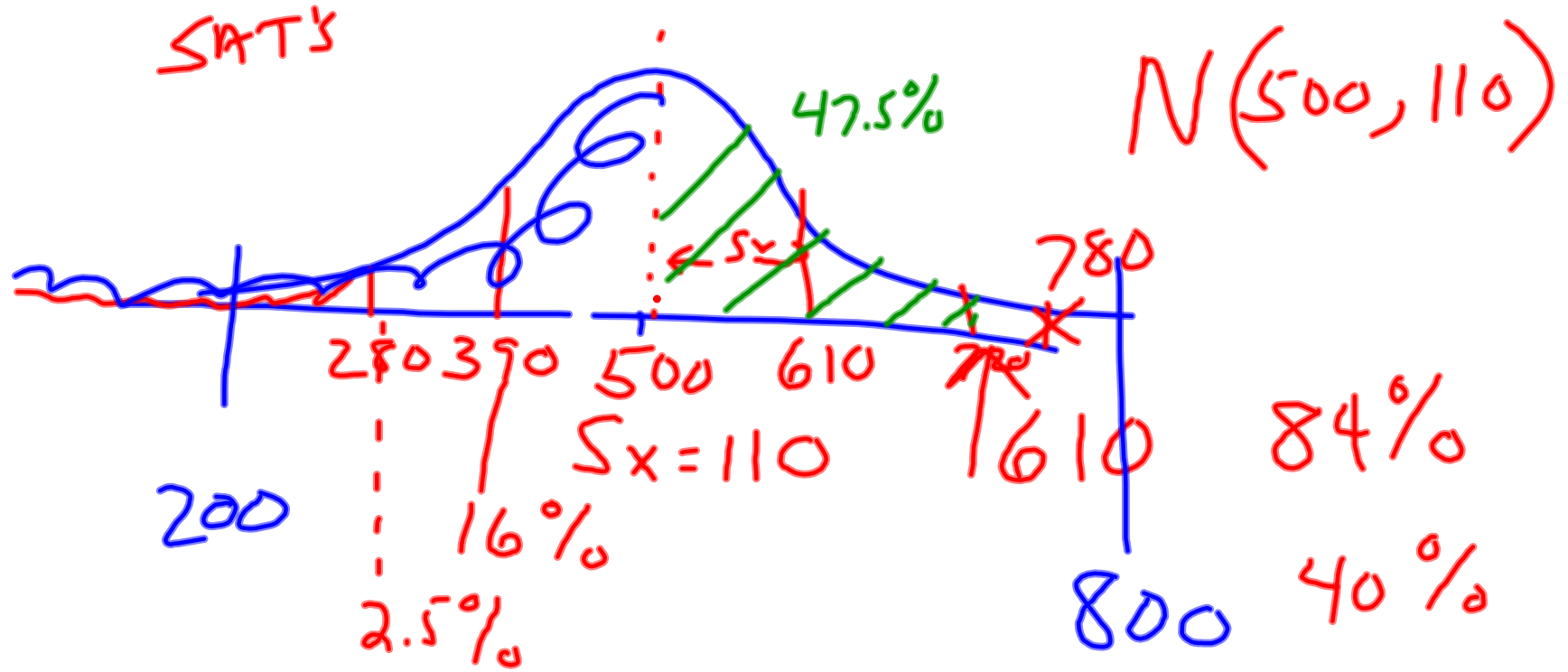


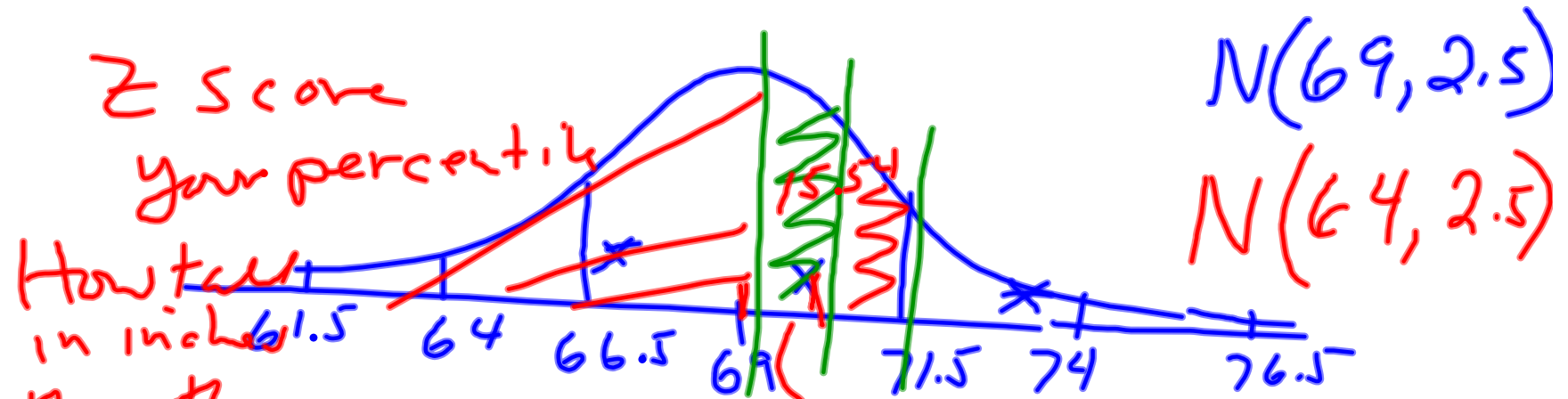
Normal curve

1, 3, 10, 17, 19









How tall
in inches
the other
gender
is
at the same

$$\frac{X_i - \bar{X}}{S_x} = Z$$

$$\frac{70 - 69}{2.5} = Z$$

$$= Z = .40$$

$$P = .6554$$

$$\frac{X - \bar{X}}{S_x} = Z$$

$$\frac{X - 64}{2.5} = .4$$