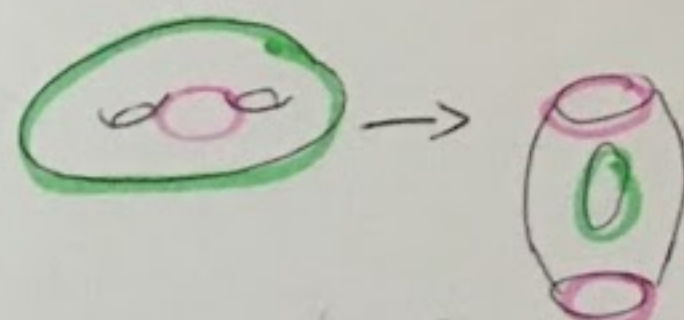
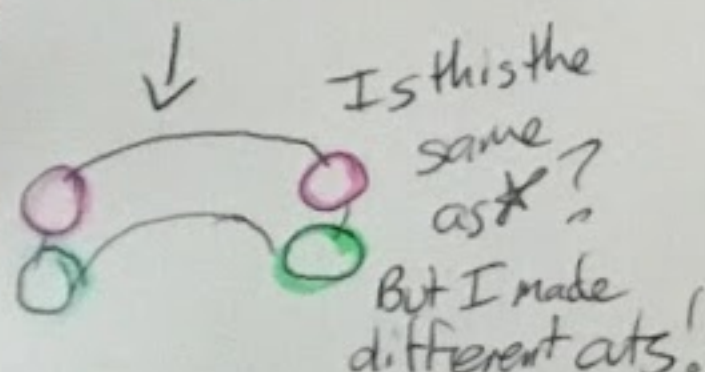
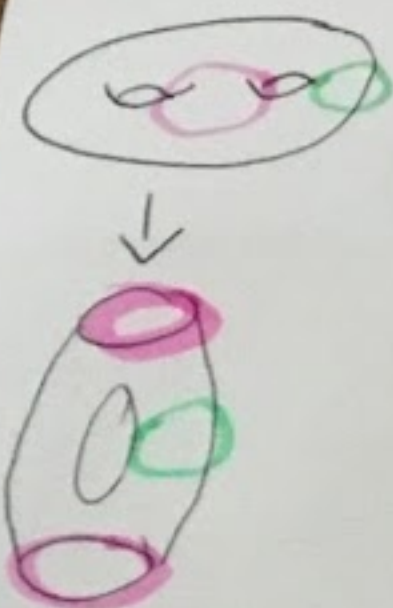
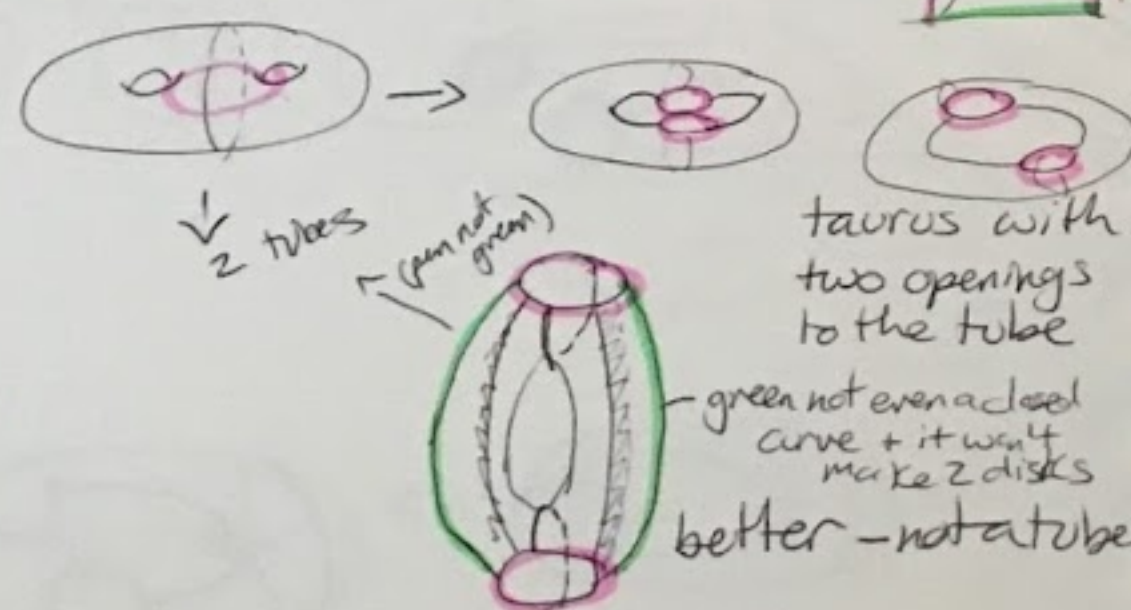
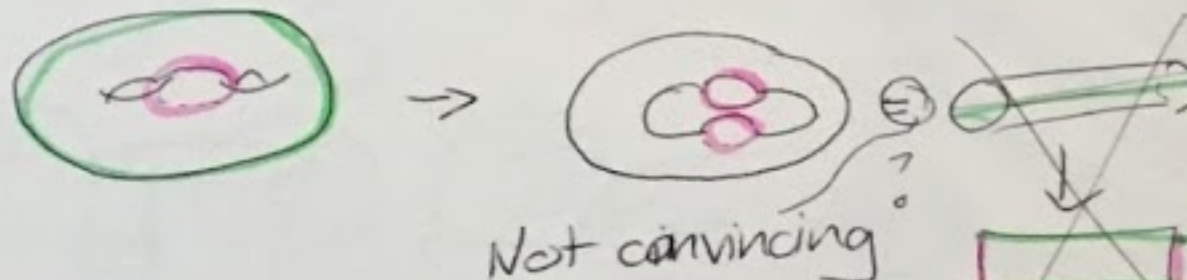
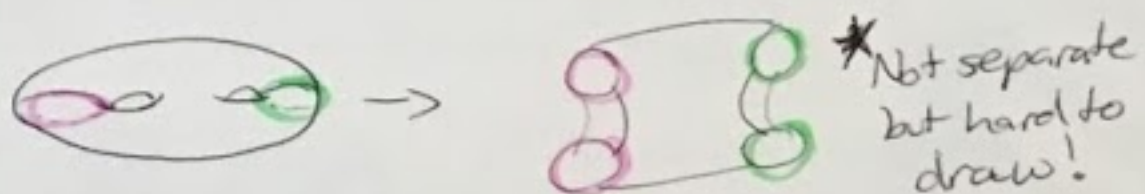
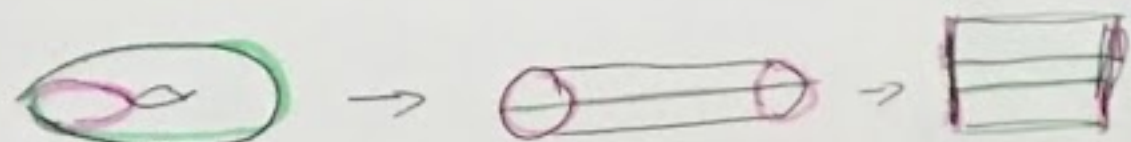


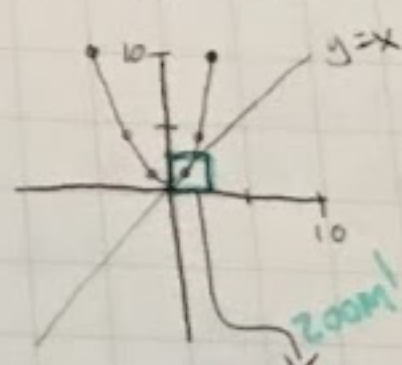
1	1
1	2
1	3
1	4
1	5
1	6
1	7

Even	Odd
0	2
1	2
0	4
3	2
2	4
3	4
0	8

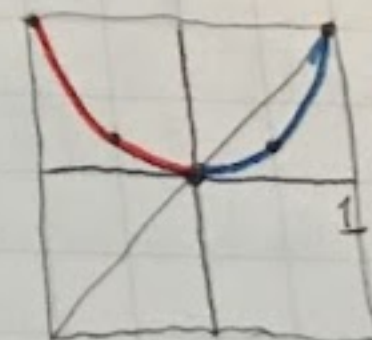
$$f(x) = x \quad \text{Same}$$

$$f(x) = x+2 \quad f(3)=5 \quad f(5)=7 \quad \text{Output} > \text{Input} \quad \therefore \text{Out Avg} > \text{In Avg}$$

$$f(x) = x^2 \quad f(-3)=9 \quad f(3)=9 \quad \text{That's not what I meant to do, Out} > \text{In still}$$



$$f(1)=1 \quad f(\frac{1}{2})=\frac{1}{4} \quad \text{In Avg} > \text{Out Avg} \quad (\text{Know without calculation})$$



$$f(x) < x \quad f(x) > x$$

$$\frac{f(x_1)+f(x_2)}{2} \quad \text{vs.} \quad \frac{x_1+x_2}{2}$$

$$\text{Equiv: } f(x_1)+f(x_2) \quad \text{vs.} \quad x_1+x_2$$