8/27 Math 1100/Math Cale Lab + 1 + 11-4 Iterate I. Do it again Compose H1=2,468 2+2+2 . -369,12,... II. Interaction New with a (x+y) = ax + ay Mundo it! X+3=5 Solving X=5-3=2 New 45 X+5=3 x=3-5

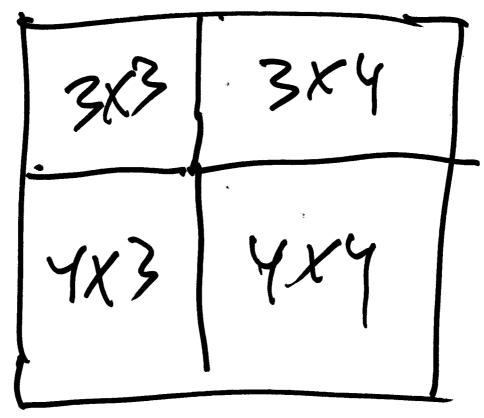
Undo multiplication: 3X = 15 X= 15/3 = 5/1 15X=3 X=3/5=15 Observe useful concepts of Esurvalence X=3-5=-2=2-4=1-3 z 10-12 3/5=1/5=-2/-10

V. Visualize it: +: Thiffy Fight Left upday, *: Zoom Scaling *: Doit aga 16 4.8 32.69 394 8 6 1024 625 3125 hals

Exporenhal $\alpha^{X+y} = \alpha^{X}\alpha^{y}$ $2^{2+3} = 2^2 \cdot 2^3$ 22: 1.2,2 73=1.2.2.2 $\frac{1}{3} = (3)^{5}$ $\frac{1}{3} = (3)^{5}$ FXP

Power * (xy)"=x">" (2.3) = 1.2.3.2.3.2.3.2.3.2.3 - 25.35 Power and + (X+4)"=:

 $(3+4)^2 = 3^2 + 4^2$ (3+4)(3+4)



3212.3.4442

Undo Poner 1=9 X=:(19): ±3 12 = 2 x=±1/2 undo exponential 2"=8 n=109,8=3

2"=3 (2%=3)18 M What appoximations