

August 31, 2023

GRAPH TRANSFORMATION RULES f(x) + C Up cunits  $\chi^2 + Z$ f(x) - C down cunits  $\chi^2 - 5$  $y = \frac{1}{x}$ f(x+c) left c units  $(x+z)^2$ = 1 right curits VX-8 y = 1/45 f (x-c) -f(x) flip over x-axis y=-1x f(-x) flipover y-axis y= V-x 0 1 2  $y = -x^2$  $y = (-x)^{2}$ af(x) |a| > | Stretch y=2x2 0 1/2 0< al Shrin 4.5 y==x2 f(ax) = |a| > |Shrink oclale Stretch y=12x horiz,

