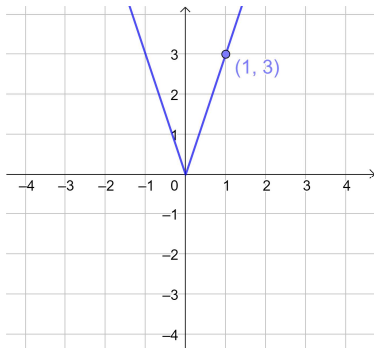
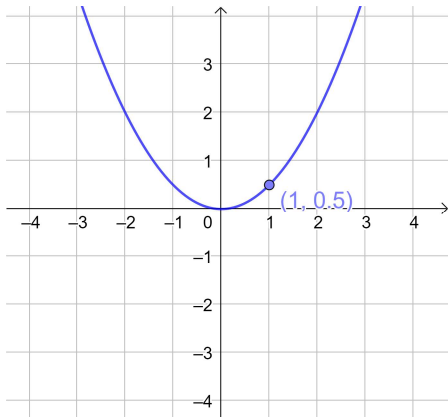


2.7 HW

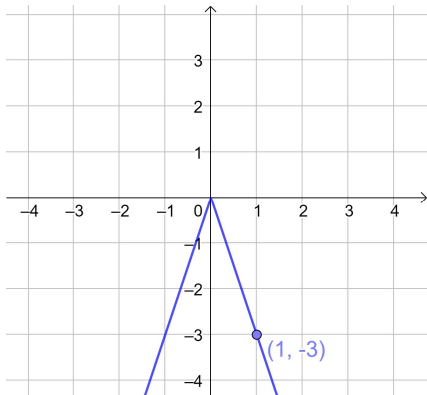
#7 $y = 3|x|$ Stretch up and down $y = |x|$. Use grid paper or label some points



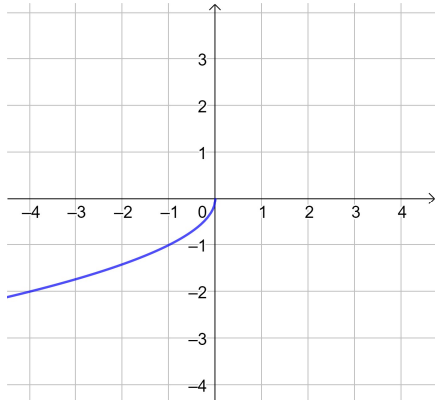
13. $y = \frac{1}{2}x^2$. Flatten/squeeze down $y = x^2$. Use grid paper or label some points



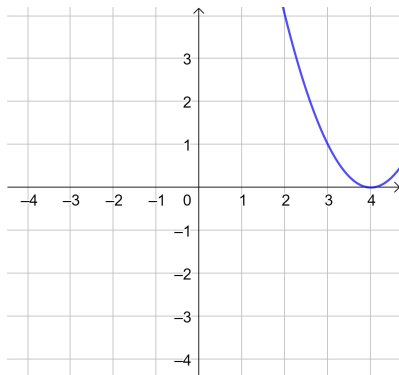
17. $y = -3|x|$. Flip #7 up-down:



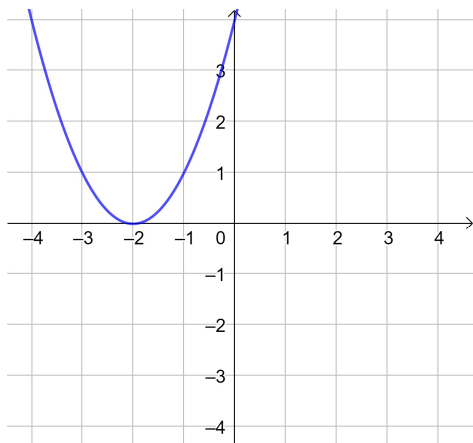
23. $y = -\sqrt{-x}$: Flip $y = \sqrt{x}$ both left-right and up-down (reflect in the x-axis and then in the y-axis)



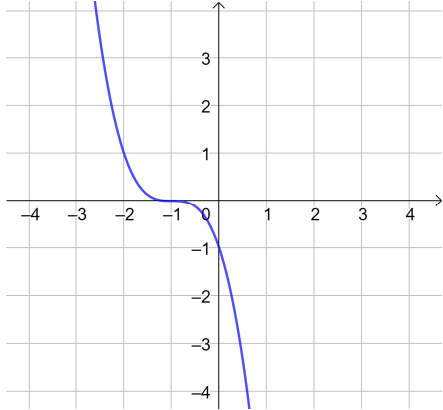
53. $y = (x-4)^2$ Shift $y = x^2$ to the new center (4,0):



55. $y = (x+2)^2$ Shift $y = x^2$ to the new center (-2,0):

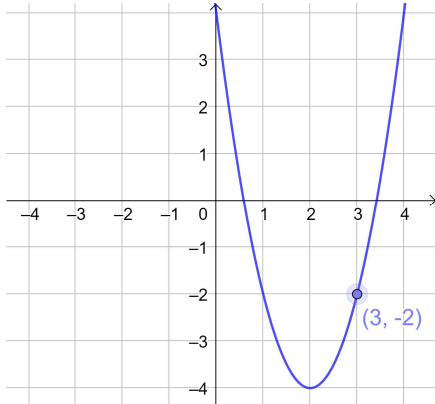


59. $y = -(x+1)^3$: Flip $y = x^3$ upside-down and shift to new center $(-1,0)$



63. $y = 2(x-2)^2 - 4$: Stretch $y = x^2$ up/down by double, and move to the new center $(2,-4)$.

Use graph paper or label some points to show you have the right stretch amount:



71. $y = \frac{1}{2}x^3 - 4$: Compress $y = x^3$ to half its height, and move down 4. Use graph paper or label some points to show you have the right compression amount.

