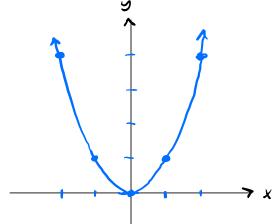
§ 2.2 { 2.3: Plotting Functions

$$D: (-\infty,\infty) \qquad \frac{\times 9}{2} + \frac{1}{1}$$

$$R: [0,\infty) \qquad 0 \qquad 0$$

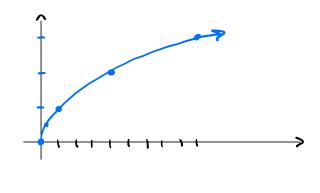
$$-1 \qquad 1$$

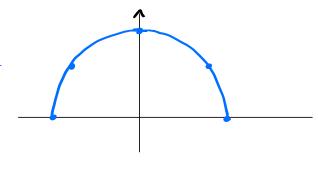


$$\mathcal{E}_{x^2}$$
)  $y = \sqrt{x'}$ 

D: R: 1	[0]	(صور
R:	[0]	<b>∞</b> )

7
0
1
2
1





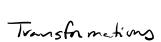
$$Ex4$$
)  $y = |x|$ 

$$D: (-\infty, \infty)$$

$$R: [0, \infty) \xrightarrow{-2}$$

$$ant = 0$$

$$1$$



$$D: (-\infty, \infty)$$

$$R: [0, \infty)$$

$$Continuous$$

$$y = (x+1)^{2}$$

$$X + 4b \text{ ignabl}$$

$$Translation

$$0$$

$$1$$$$

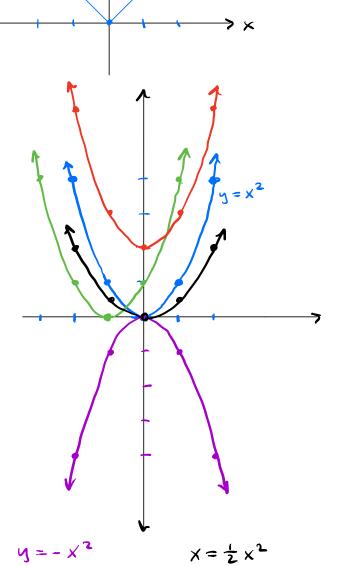
$$y = x^{2} + 2$$

$$\times \text{ Vartical}$$

$$\text{Translation}$$

$$-1 \quad 3$$

$$-2 \quad 6$$



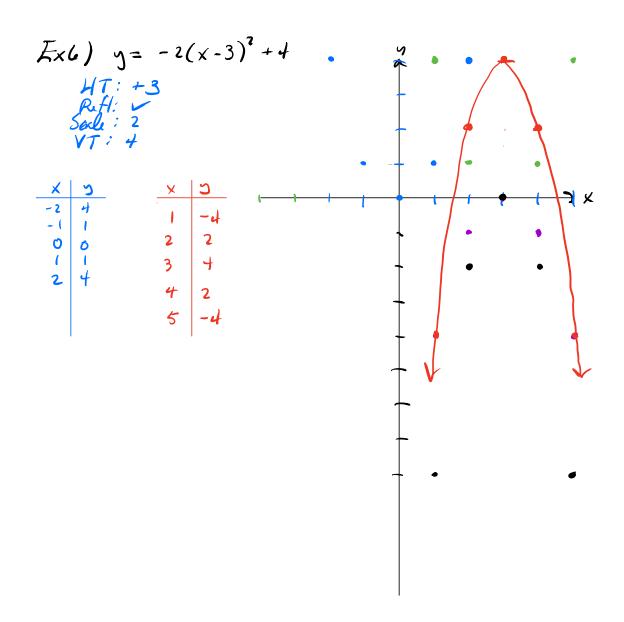
\* Scaling

Stretch /Shink

Scale only y values.

\* Reportion

Order 1 Horizontal translation 2. Rellection/Stretch/Shrink 3, Vertical franslation



#60) 
$$y = -\frac{1}{2}\sqrt{x+2}$$