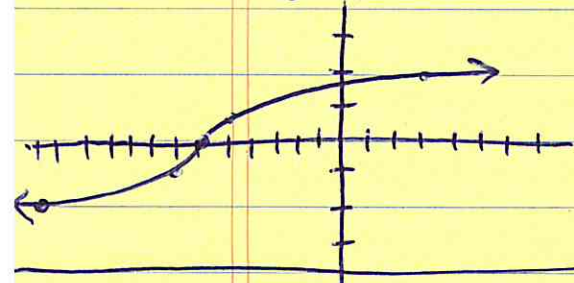


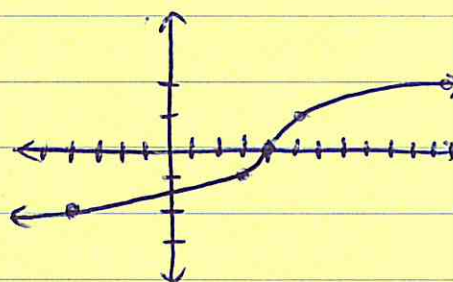
18.	x	y	x-5	y
	-8	-2	-13	-2
	-1	-1	-6	-1
	0	0	-5	0
	1	1	-4	1
	8	2	3	2

Translation 5L
D + R $(-\infty, \infty)$



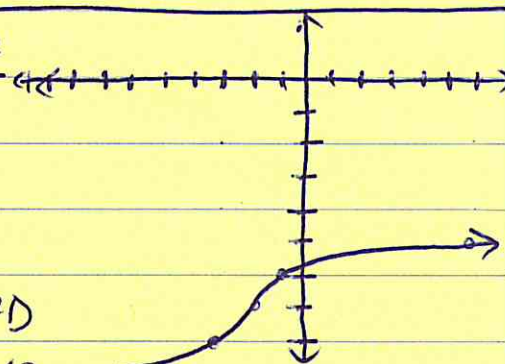
19.	x	y	x+4	y
	-8	-2	-4	-2
	-1	-1	3	-1
	0	0	4	0
	1	1	5	1
	8	2	12	2

Translation 4R
D + R $(-\infty, \infty)$



20.	x	y	x-2	y-7
	-8	-2	-10	-9
	-1	-1	-3	-8
	0	0	-2	-7
	1	1	-1	-6
	8	2	6	-5

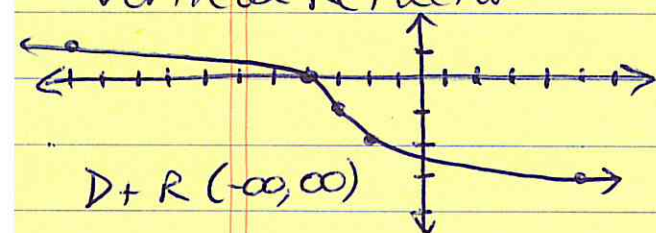
Translation 2L, 7D
D + R $(-\infty, \infty)$



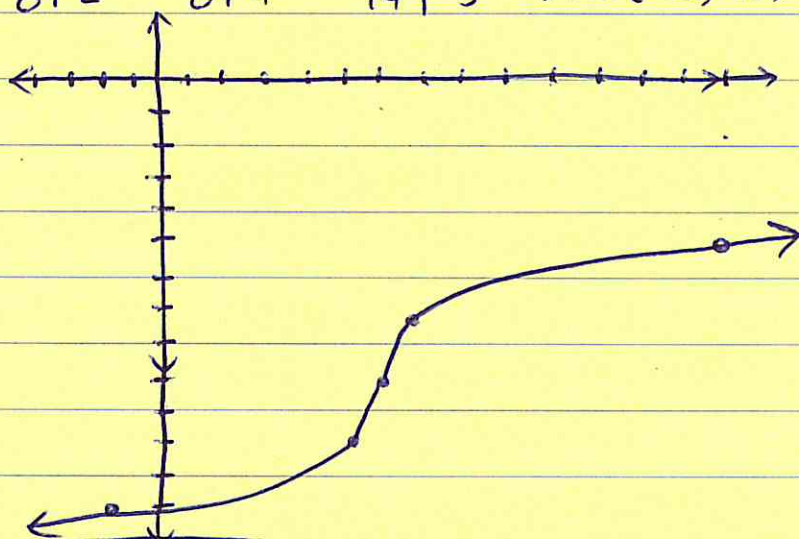
21. $y = -3\sqrt{x+3} - 1$

x	y	x	-y	x-3	y-1
-8	-2	-8	2	-11	1
-1	-1	-1	1	-4	0
0	0	0	0	-3	-1
1	1	1	-1	-2	-2
8	2	8	-2	5	-3

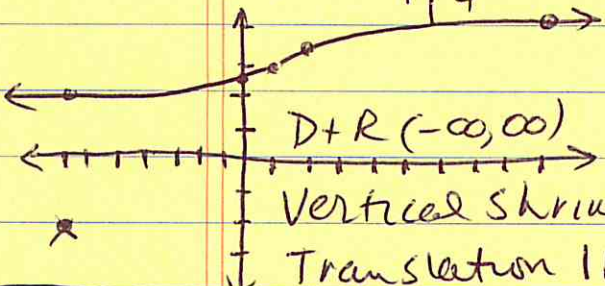
Translation 3L, 1D
Vertical Reflection



22.	x	y	x	2y	x+6	y-9	Vertical stretch
	-8	-2	-8	-4	-2	-13	Translation
	-1	-1	-1	-2	5	-11	6R, 9D
	0	0	0	0	6	-9	D + R $(-\infty, \infty)$
	1	1	1	2	7	-7	
	8	2	8	4	14	-5	



23.	x	y	x	1/2 y	x+1	y+3
	-8	-2	-8	-1	-7	2
	-1	-1	-1	-1/2	0	2 1/2
	0	0	0	0	1	3
	1	1	1	1/2	2	3 1/2
	8	2	8	1	9	4



D + R $(-\infty, \infty)$

Vertical Shrink 1/2

Translation 1R, 3U

Vertical Stretch?

31. $y = \sqrt{9(x-1)} = 3\sqrt{x-1}$ Translation 1R

32. $y = -\sqrt{16(x+2)} = -4\sqrt{x+2}$

Vertical Reflection Translation
Vertical Stretch 4 2L