

$y = \sqrt{x} - 2$

x	y	x	y-2
0	0	0	-2
1	1	1	-1
4	2	4	0
9	3	9	1

Translation 2D

$D[0, \infty)$ $R[-2, \infty)$

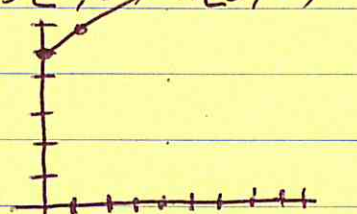


$y = \sqrt{x} + 5$

x	y	x	y+5
0	0	0	5
1	1	1	6
4	2	4	7
9	3	9	8

Translation 5U

$D[0, \infty)$ $R[5, \infty)$

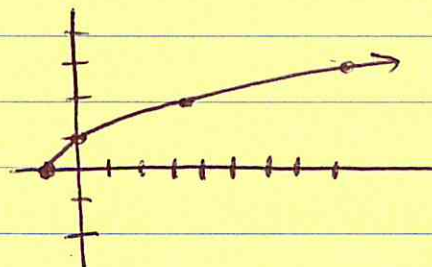


$y = \sqrt{x+1}$ Translation 1L

x	y	x-1	y
0	0	-1	0
1	1	0	1
4	2	3	2
9	3	8	3

$D[-1, \infty)$

$R[0, \infty)$



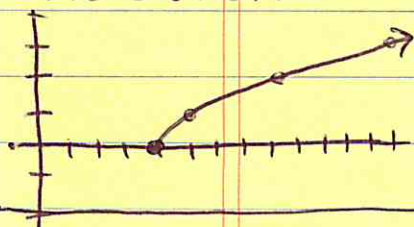
8. $y = \sqrt{x-4}$

x	y	x+4	y
0	0	4	0
1	1	5	1
4	2	8	2
9	3	13	3

$D[4, \infty)$

$R[0, \infty)$

Translation 4R



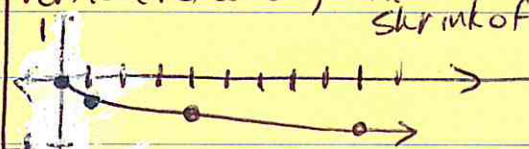
10. $y = -.25\sqrt{x}$

x	y	x	-.25y
0	0	0	0
1	1	1	-.25
4	2	4	-.50
9	3	9	-.75

$D[0, \infty)$

$R[0, \infty)$

Vertical reflection, Vertical shrink of .25



12. $y = -\sqrt{x-1}$

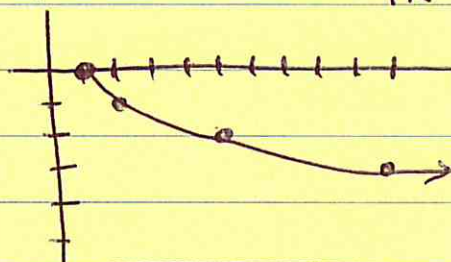
x	y	x	-y	x+1	y
0	0	0	0	1	0
1	1	1	1	2	-1
4	2	4	2	5	-2
9	3	9	3	10	-3

$D[-1, \infty)$

$R(-\infty, 0]$

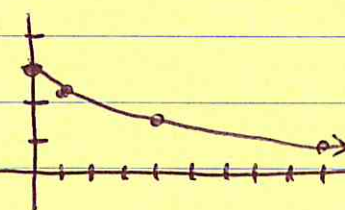
-Vertical Reflection

-Translation 1R



14. $y = -.75\sqrt{x} + 3$

x	y	x	-.75x	x	y+3
0	0	0	0	0	3
1	1	1	-.75	1	2.25
4	2	4	-1.5	4	1.5
9	3	9	-2.25	9	.75



Vertical reflection $D[0, \infty)$

Vertical shrink of .75 $R(-\infty, 3]$

Translation 3U

16. $y = \frac{1}{4}\sqrt{x+2} - 1$

x	y	x	1/4y	x-2	y-1
0	0	0	0	-2	-1
1	1	1	1/4	-1	-3/4
4	2	4	1/2	2	-1/2
9	3	9	3/4	7	-1/4

$D[-2, \infty)$

$R[-1, \infty)$

Vertical Shrink of 1/4

Translation 2L, 1D

