

Parent

x	-7	-4	-2	3	6
y	3	7	1	1	-3

12 $y = -f(x-4) + 2$

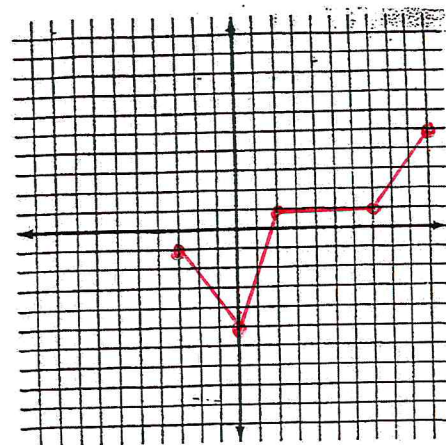
a) $a = -1, h = 4, k = 2$

b) Vertical reflection
translation 4R, 2U

c)

x	-4	x+4	y+2
-7	-3	-3	-1
-4	7	0	-5
-2	-1	2	1
3	-1	7	1
6	3	10	5

d)



13. $y = f(\frac{1}{2}x) - 5$

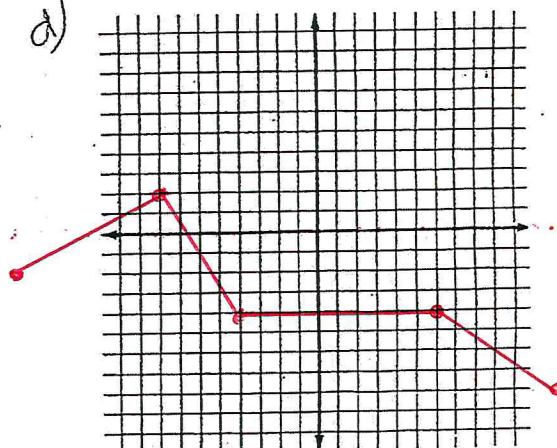
a) $a = 1, b = \frac{1}{2}$
 $h = 0, k = -5$

b) horizontal stretch
of 2
translation 5D

c)

2x	y	x	y-5
-14	3	-14	-2
-8	7	-8	2
-4	1	-4	-4
6	1	6	-4
12	-3	12	-8

d)



14. $y = 2(f(x+3)) - 4$

a) $a = 2, b = 1$
 $h = -3, k = -4$

b) Vertical stretch 2
translation 3L, 4D

c)

x	2y	x-3	y-4
-7	6	-10	2
-4	14	-7	10
-2	2	-5	-2
3	2	0	-2
6	-6	3	-10

d)

