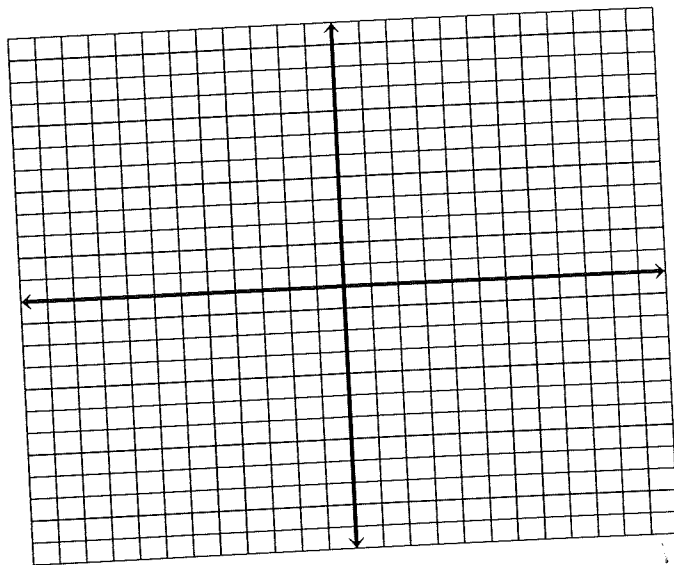
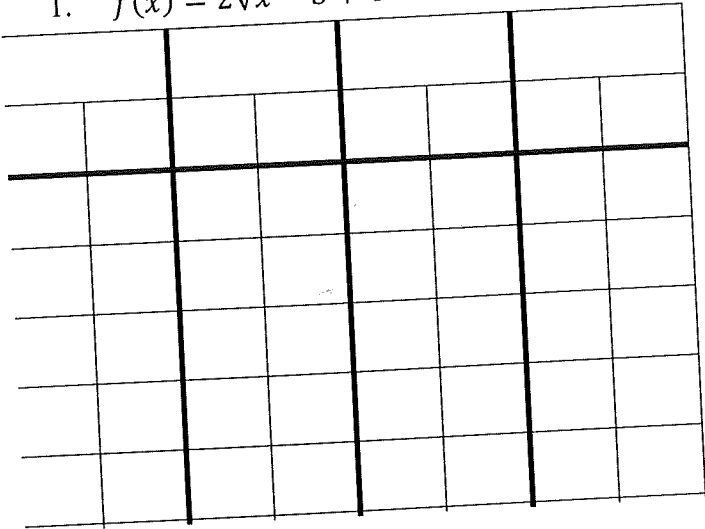


Individual Test 6.8 Algebra 2

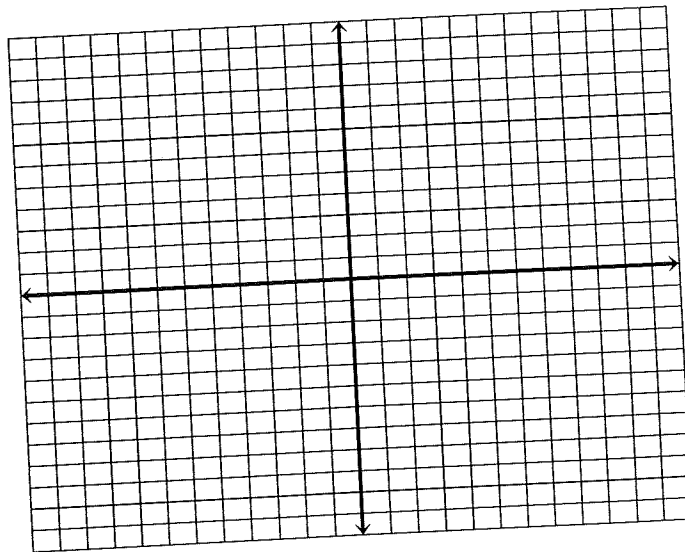
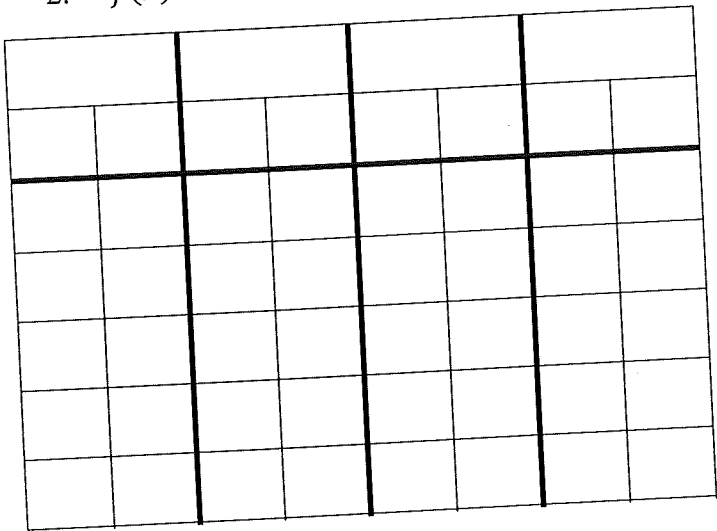
Names _____

Graph each function using transformation:

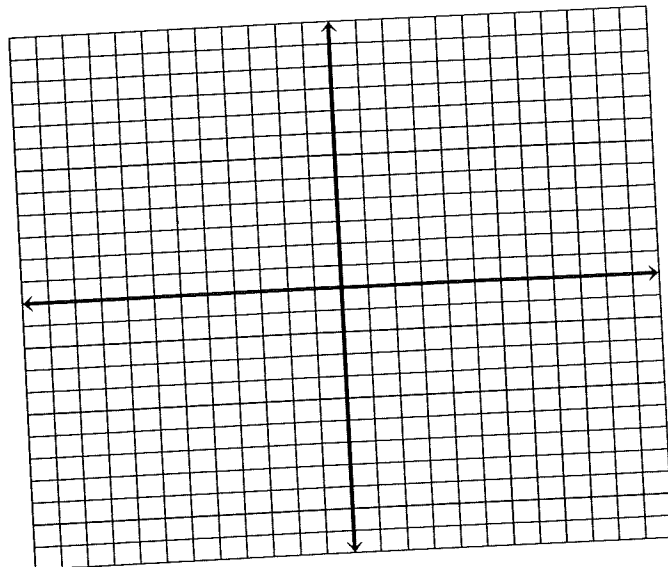
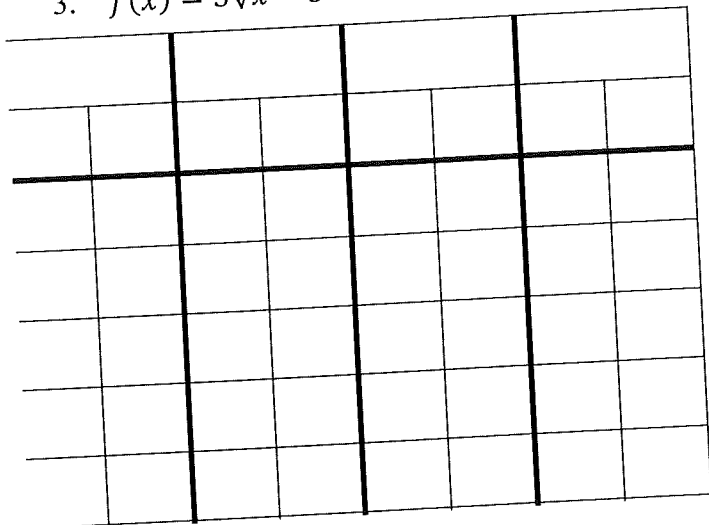
1. $f(x) = 2\sqrt{x-3} + 4$



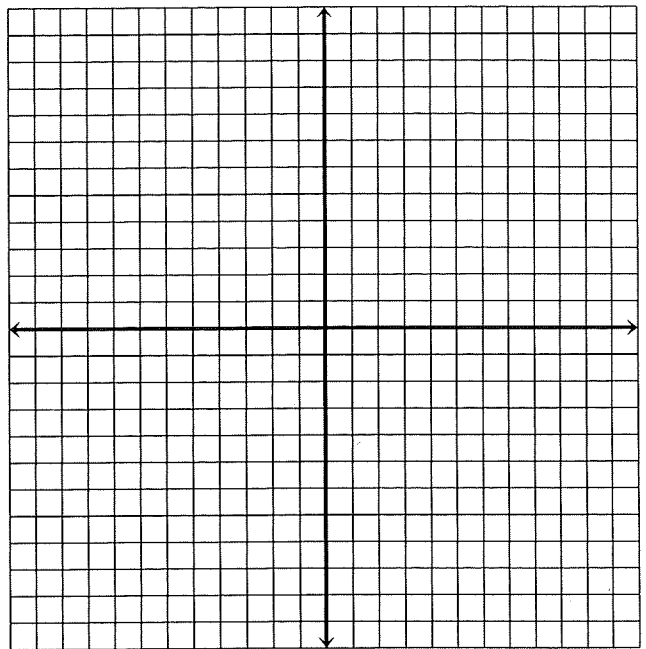
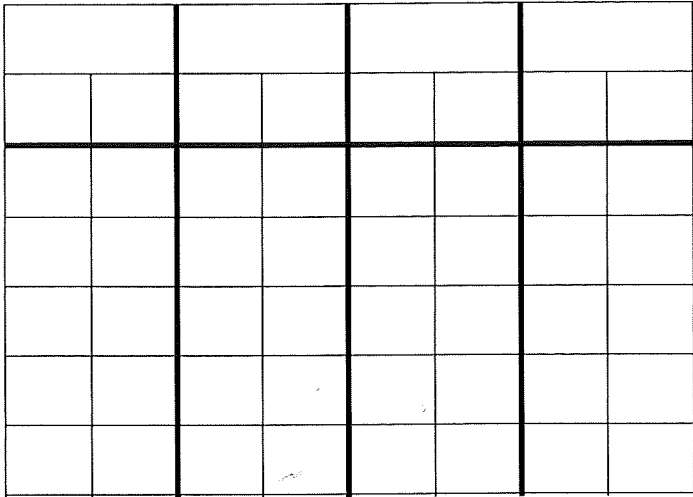
2. $f(x) = -\sqrt{x+5} - 2$



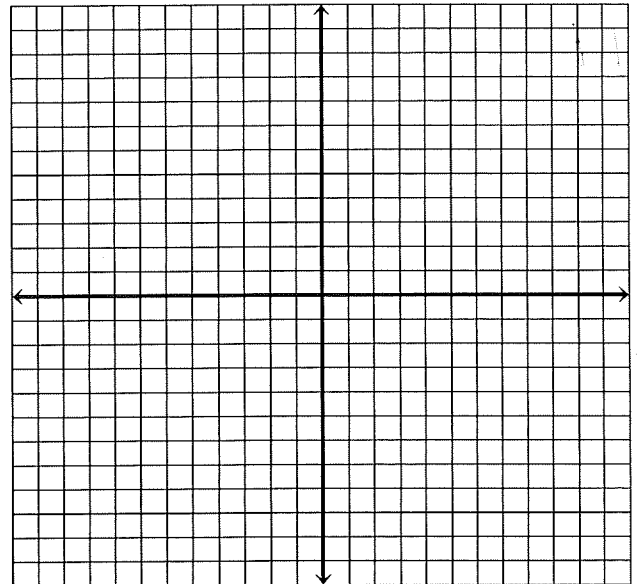
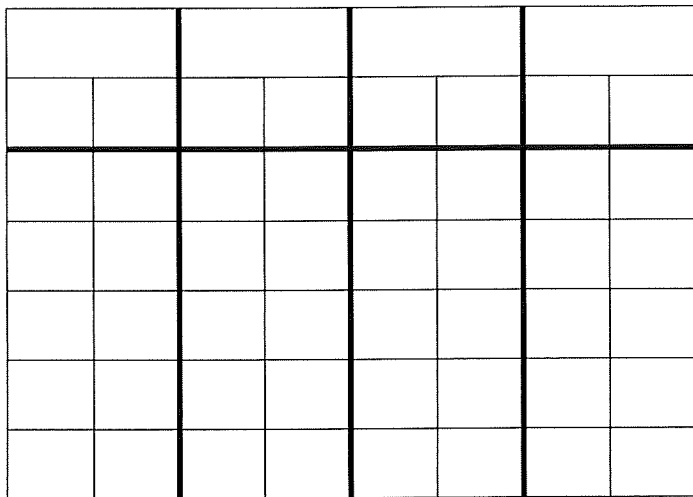
3. $f(x) = 3\sqrt{x} - 3$



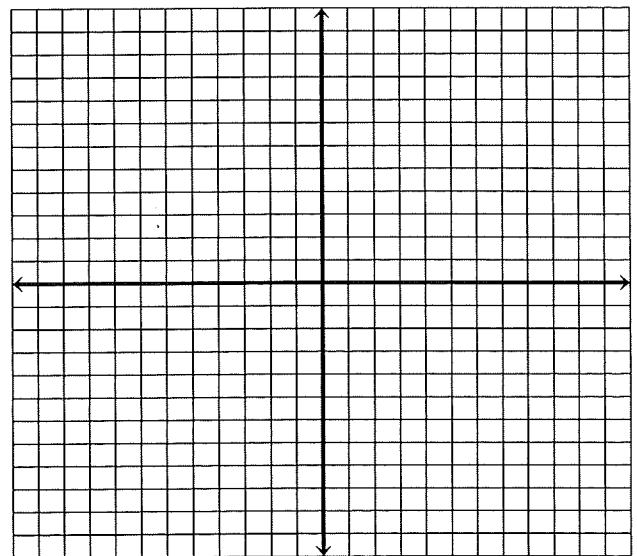
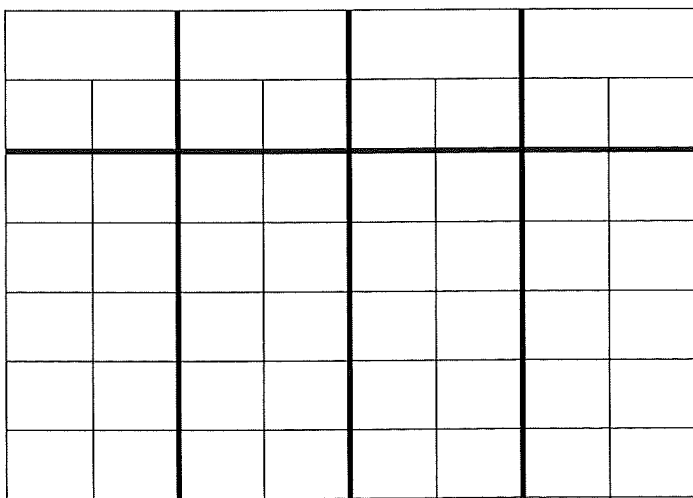
4. $f(x) = 2\sqrt[3]{x+3} + 2$



5. $f(x) = -2\sqrt[3]{x} + 4$



6. $f(x) = 3\sqrt[3]{x-2} - 1$



Individual Test

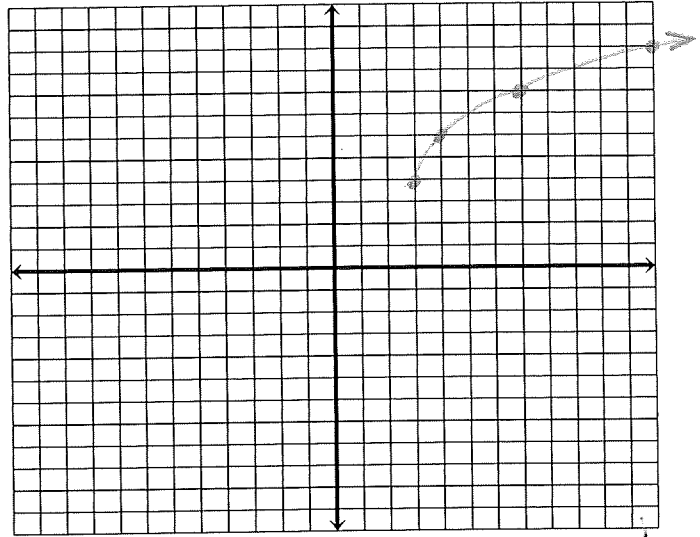
Partner Test 6.8 Algebra 2

Names Key

Graph each function using transformation:

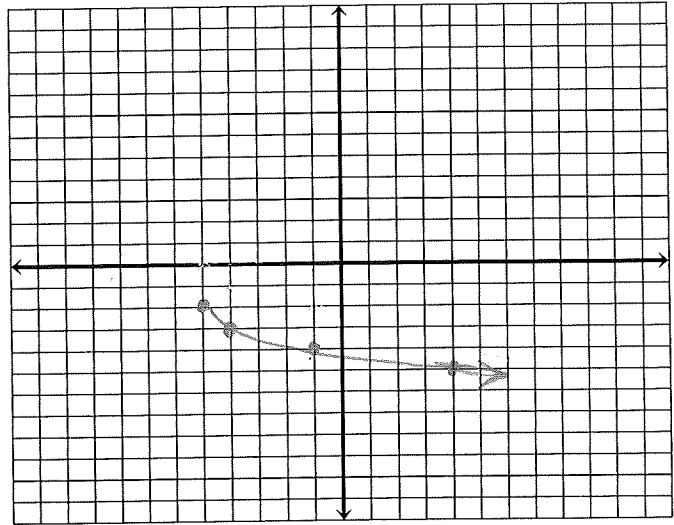
1. $f(x) = 2\sqrt{x-3} + 4$

Parent		$x+3$		$y(2)$		$y+4$	
x	y	x	y	x	y	x	y
0	0	3	0	3	0	3	4
1	1	4	1	4	2	4	6
4	2	7	2	7	4	7	8
9	3	12	3	12	6	12	10



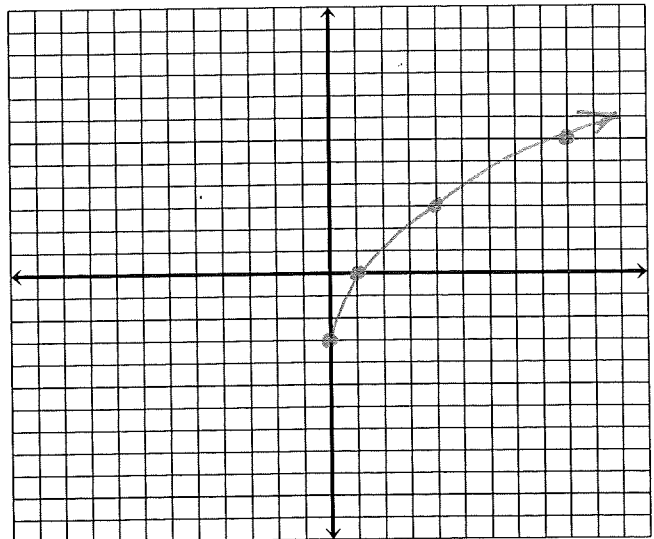
2. $f(x) = -\sqrt{x+5} - 2$

Parent		$x-5$		$y(-1)$		$y-2$	
x	y	x	y	x	y	x	y
0	0	-5	0	-5	0	-5	-2
1	1	-4	1	-4	-1	-4	-3
4	2	-1	2	-1	-2	-1	-4
9	3	4	3	4	-3	4	-5



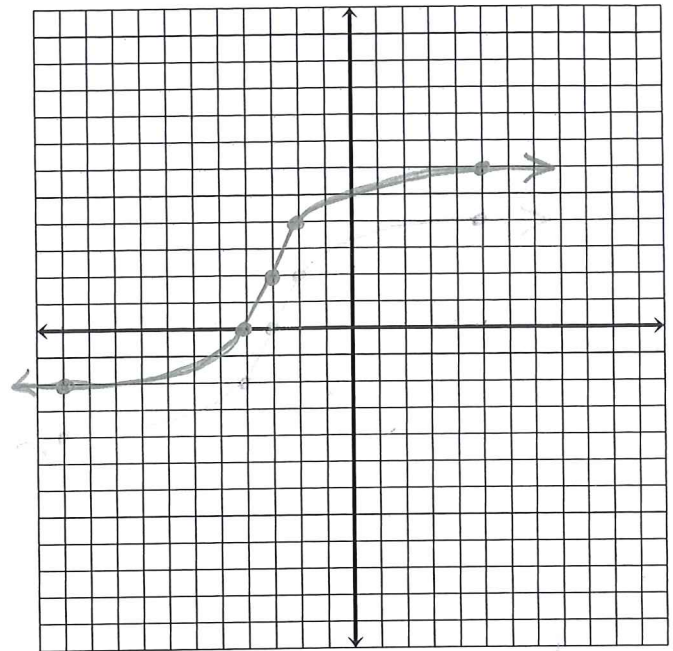
3. $f(x) = 3\sqrt{x} - 3$

Parent		$y(3)$		$y-3$	
x	y	x	y	x	y
0	0	0	0	0	-3
1	1	1	3	1	0
4	2	4	6	4	3
9	3	9	9	9	6



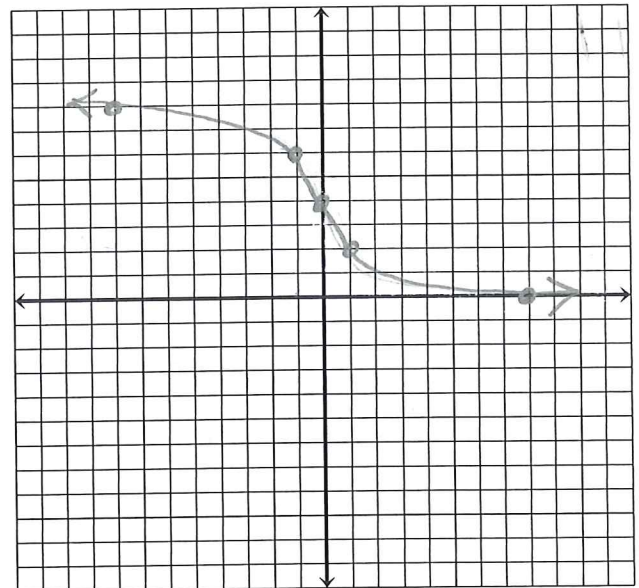
4. $f(x) = 2\sqrt[3]{x+3} + 2$

Parent		$x-3$		$y(2)$		$y+2$	
x	y	x	y	x	y	x	y
-8	-2	-11	-2	-11	-4	-11	-2
-1	-1	-4	-1	-4	-2	-4	0
0	0	-3	0	-3	0	-3	2
1	1	-2	1	-2	2	-2	4
8	2	5	2	5	4	5	6



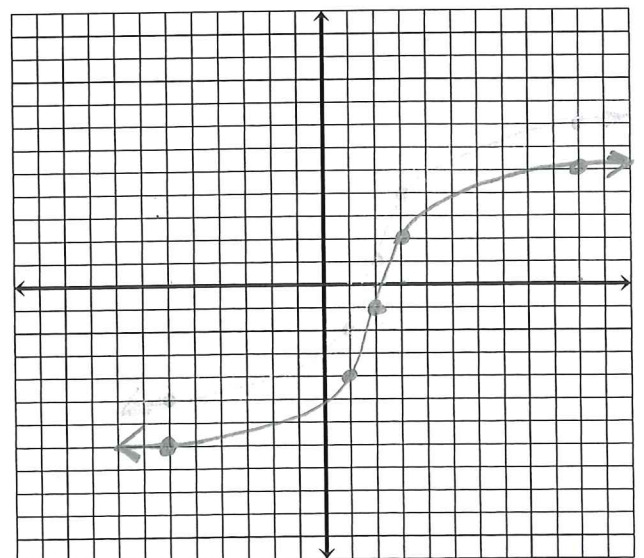
5. $f(x) = -2\sqrt[3]{x} + 4$

Parent		$y(-2)$		$y+4$			
x	y	x	y	x	y		
-8	-2	-8	4	-8	8		
-1	-1	-1	2	-1	6		
0	0	0	0	0	4		
1	1	1	-2	1	2		
8	2	8	-4	8	0		



6. $f(x) = 3\sqrt[3]{x-2} + 1$

Parent		$x+2$		$y(3)$		$y-1$	
x	y	x	y	x	y	x	y
-8	-2	-6	-2	-6	-6	-6	-7
-1	-1	1	-1	1	-3	1	-4
0	0	2	0	2	0	2	-1
1	1	3	1	3	3	3	2
8	2	10	2	10	6	10	5



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