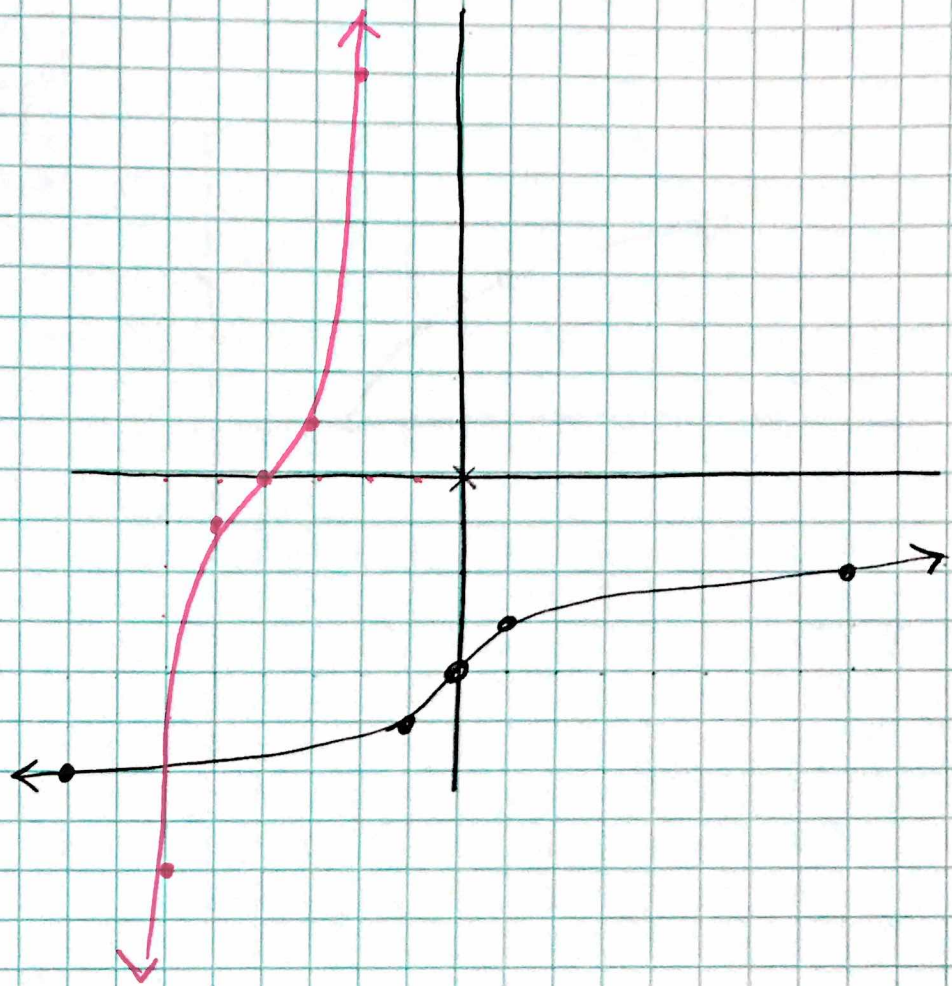


$$a) g(x) = \sqrt[3]{x} - 4$$

$g(x)$	
$x$	$y$
-8	-6
-1	-5
0	-4
1	-3
8	-2

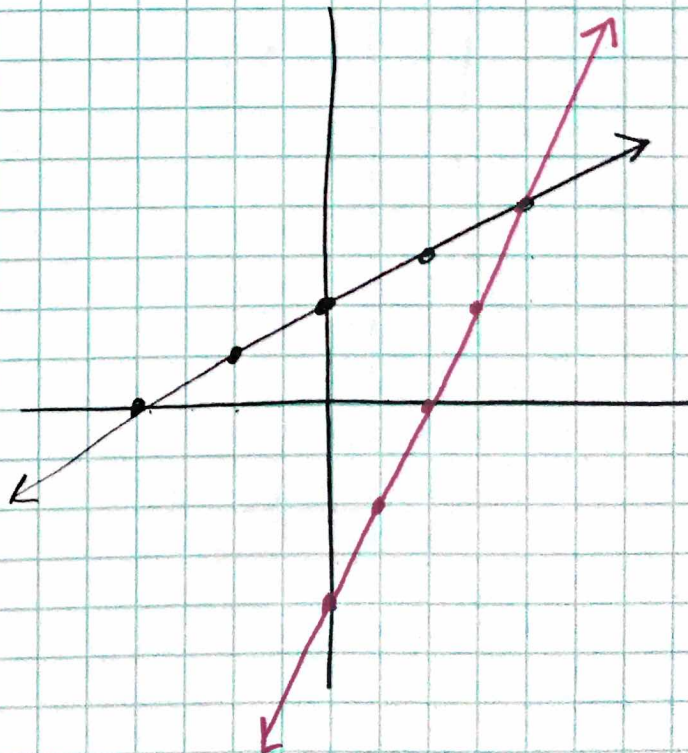
$g^{-1}(x)$	
$x$	$y$
-6	-8
-5	-1
-4	0
-3	1
-2	8



$$b) f(x) = \frac{1}{2}x + 2$$

$f(x)$	
$x$	$y$
-4	0
-2	1
0	2
2	3
4	4

$f^{-1}(x)$	
$x$	$y$
0	-4
-2	-1
2	0
3	2
4	4

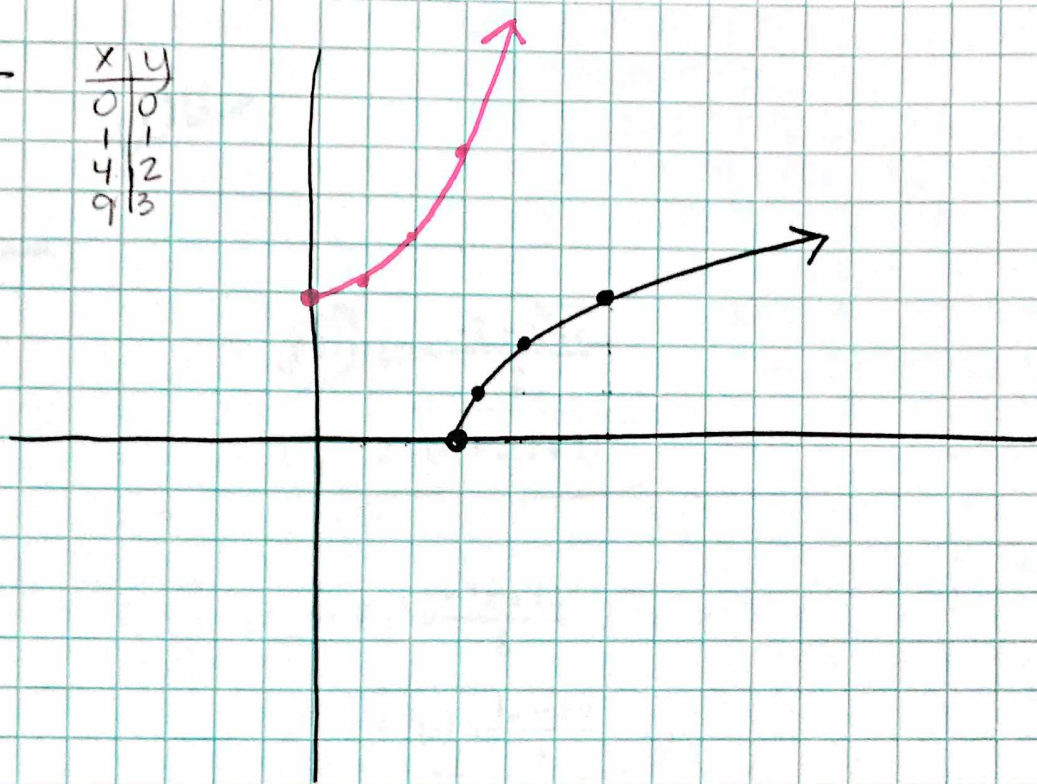


$$c) g(x) = \sqrt{3x-9}$$

$$g(x) = \sqrt{3(x-3)}$$

$\frac{1}{3}$  as wide  
right 3

x	y
0	0
1	1
4	2
9	3



x	y
3	0
$3\frac{1}{3}$	1
$4\frac{2}{3}$	2
6	3

x	y
0	3
1	$3\frac{1}{3}$
2	$4\frac{2}{3}$
3	6

$$d) h(x) = 4x^2 - 7$$

4 times as tall  
down 7

x	y
-2	4
-1	1
0	0
1	1
2	4

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

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

