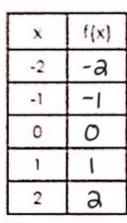
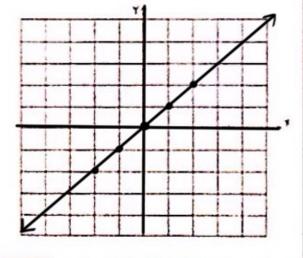
Mouth 2 · toolkins QUIZ tomorrow! gluesticksScissors *take out HW from last night. Created with Doceric

Linear

$$f(x) = x$$
$$y = x$$



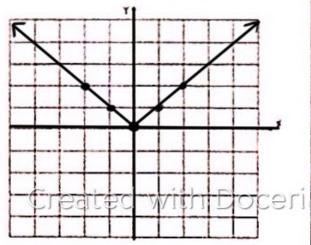


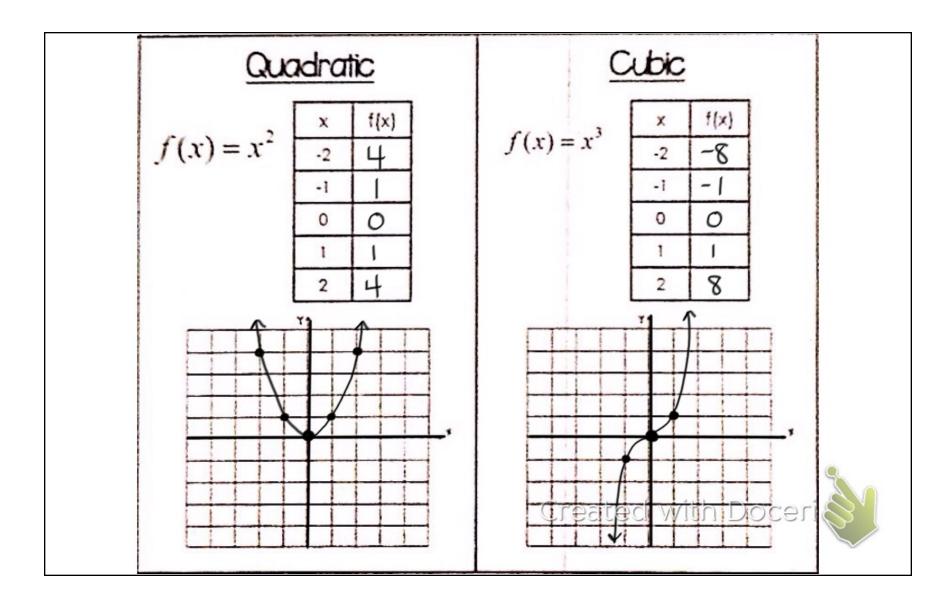
Absolute Value

$$f(x) = |x|$$

X	f(x)
-2	а
-1	1
0	0

a

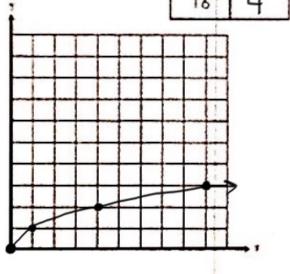




Square Root

$$f(x) = \sqrt{x}$$

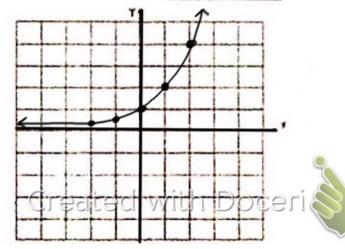
X	f(x)	
0 ;	0	
1	J	
4	а	
9	3	
14	11	



Exponential

$$f(x) = 2^x$$

x	f(x)
-2	14
-1	- a
0	1
1	a
2	4



In Problems 17-24, write the function whose graph is the graph of $y = x^3$, but is: 18. Shifted to the left 4 units (x+4)3

- 17. Shifted to the right 4 units $(x-4)^3$ 19. Shifted up 4 units x^3+4
- 21. Reflected about the v-axis (-X)
- 23. Vertically stretched by a factor of 4

20. Shifted down 4 units x3-4 22. Reflected about the vaxis - (x3) 24. Horizonially stretched by a factor

ms 25-28, find the function that is finally graphed after the following transformations are applied to the graph of y

- (1) Shift up 2 units
- 12) Reflect about the v-axis
- (3) Reflect about the v-axis

- 26. (1) Reflect about the x-axis
 - (2) Shift right 3 units
 - (3) Shift down 2 units



1. B E H D I A L 8 9. F J	14. D 15. B 16. A	#a. $f(n)-g(n)$ $(4n+5)-1(-2n+2)$ $4n+5+3n-3$ $[6n+3]$
10000	right 2	f(x-a)fx)-1 x-21
12. K		Created with Doceri
13. C		