Name_____ Date _____ Pd _____

5.3 Graphing Radical Functions DAY TWO CYU

☑ *Use when you get it right all by yourself*

S *Use when you did it all by yourself, but made a silly mistake*

H *Use when you could do it alone with a little help from teacher or peer*

G *Use when you completed the problem in a group*

X *Use when a question was attempted but wrong (get help)*

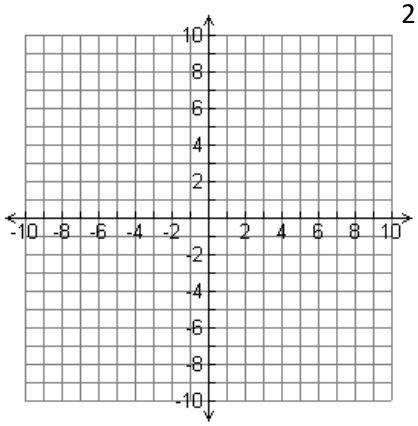
N *Use when a question was not even attempted*

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Create t-charts	1 - 12		
Graphing radical functions	1 – 12		
Describing transformations		1 - 12	
Domain & range in interval notation	7 - 12		1 - 6

Complete the t-chart for each of the following functions and then plot the points on the coordinate plane. State any transformation from the parent function. Then state the domain and range in interval notation for each graph.

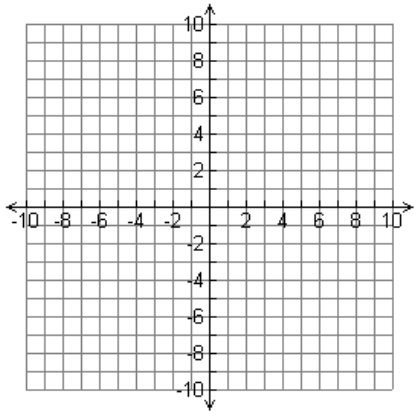
1. $f(x)=\sqrt{x}$

x	y
-1	
0	
1	
4	
9	
16	



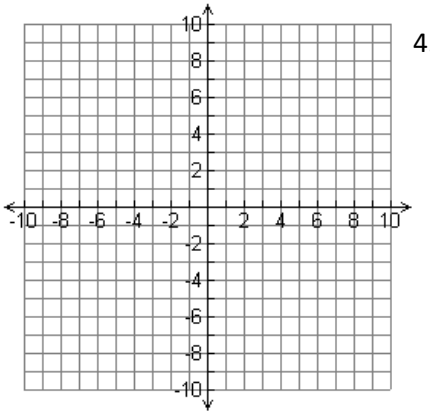
2. $f(x)=-\sqrt{x}$

x	y
-1	
0	
1	
4	
9	
16	



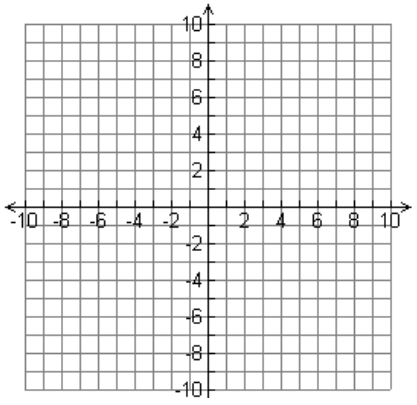
3. $f(x)=\sqrt{x+3}$

x	y
-4	
-3	
-2	
1	
6	



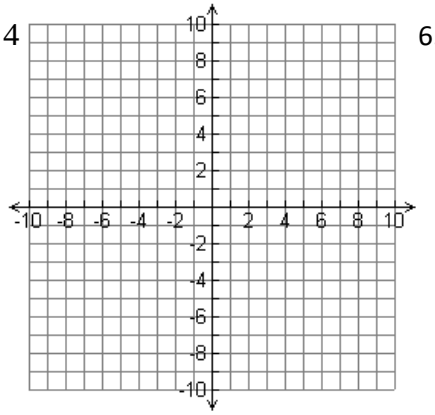
4. $f(x)=\sqrt{x}+3$

x	y
-1	
0	
1	
4	
9	
16	



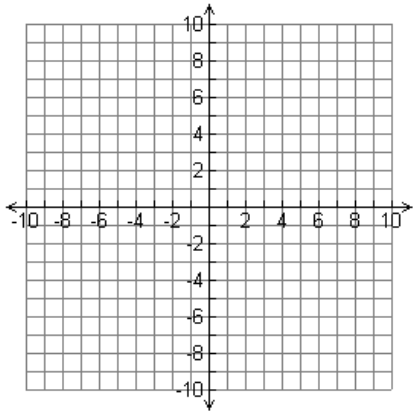
5. $f(x)=\sqrt{x-2}-4$

x	y
1	
2	
3	
6	
11	



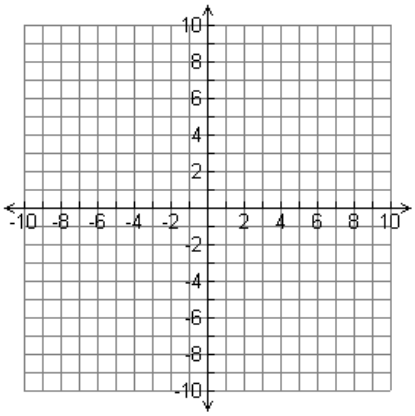
6. $f(x)=-\sqrt{x+4}+2$

x	y
-5	
-4	
-3	
0	
5	
12	



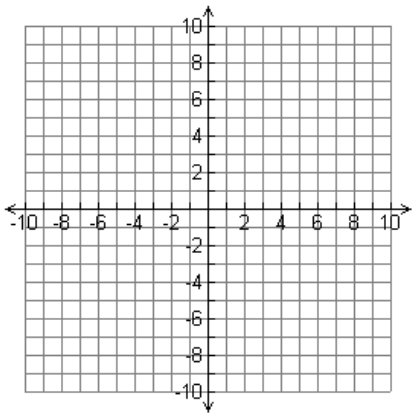
7. $f(x)=\sqrt[3]{x}$

x	y
-8	
-1	
0	
1	
8	



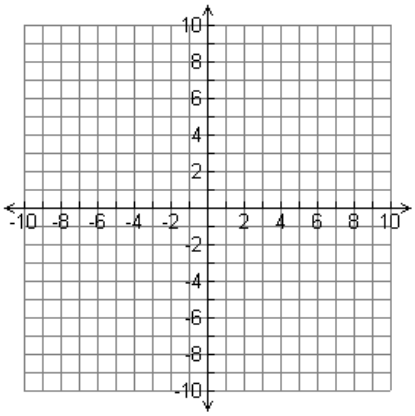
8. $f(x)=-\sqrt[3]{x}$

x	y
-8	
-1	
0	
1	
8	



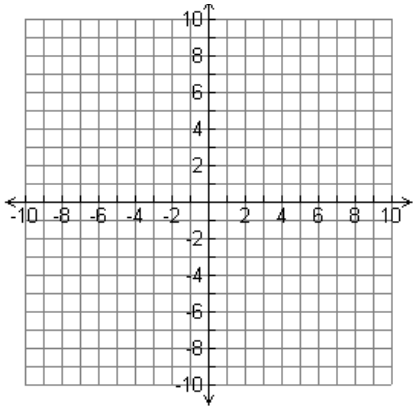
9. $f(x)=\sqrt[3]{x-3}$

x	y
-5	
2	
3	
4	
11	



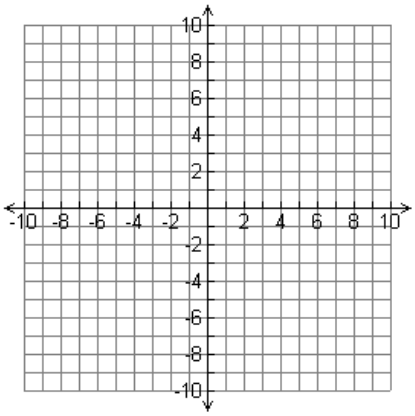
10. $f(x)=\sqrt[3]{x}+2$

x	y
-8	
-1	
0	
1	
8	



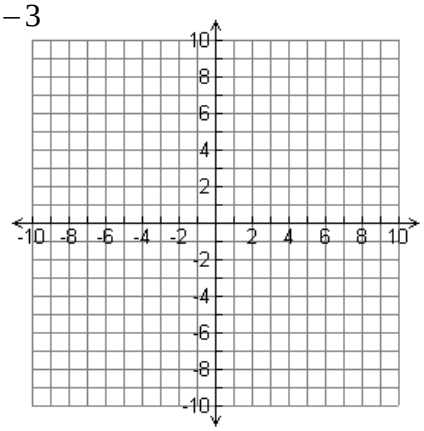
11. $f(x)=\sqrt[3]{x-2}+3$

x	y
-6	
1	
2	
3	
10	



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

x	y
-12	
-5	
-4	
-3	
4	



CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the