

8.3 Shifting & Reflecting Graphs 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

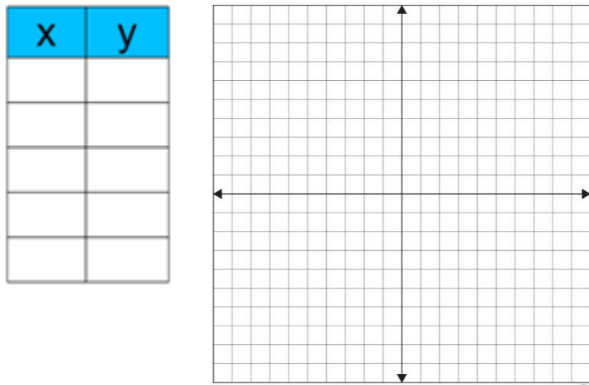
X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

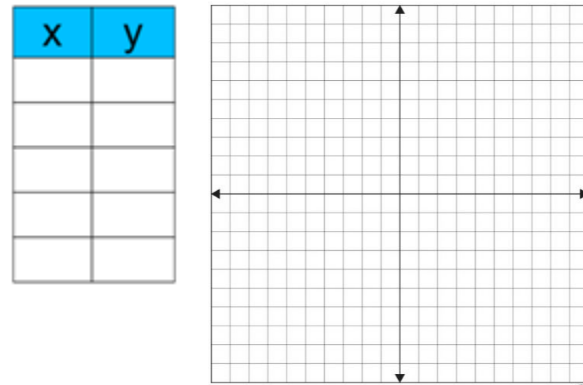
CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Graphing quadratics	1, 3, 8		
Graphing absolute value	2, 4, 6, 10		
Graphing radicals		5, 7, 9	
Using the calculator to fill t-charts	1 - 10		
Describing transformations	1 - 4	5 - 10	
Domain and range in interval notation	1 - 4, 6, 8, 10	5, 7, 9	

Sketch the graph of each function (you may use a calculator). Fill in the t-chart provided. Plot those points on the graph provided. Describe the transformation from the parent function. Then state the domain and range.

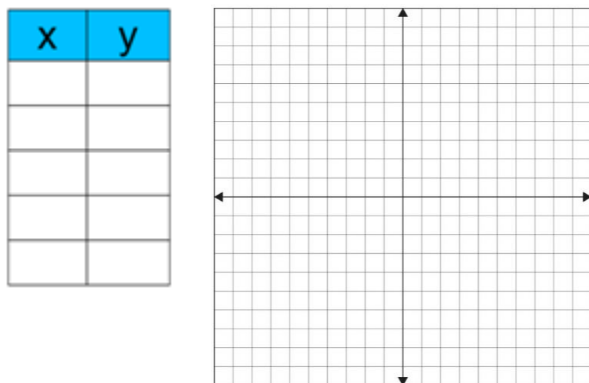
1. $f(x) = x^2 + 4$



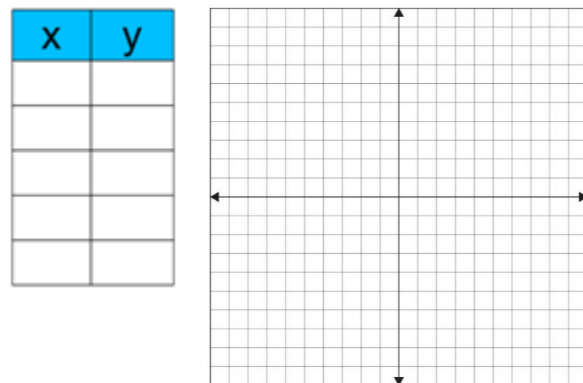
2. $h(x) = |x| - 2$



3. $g(x) = (x - 4)^2$

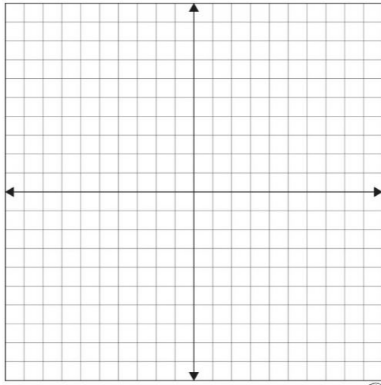


4. $f(x) = |x + 3|$



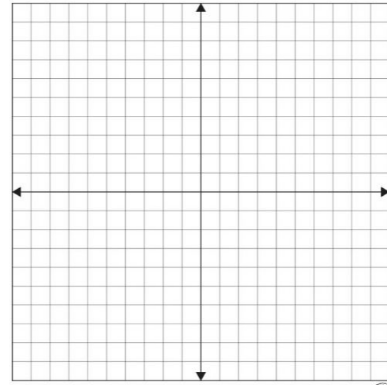
5. $f(x) = \sqrt{x+1} + 1$

x	y



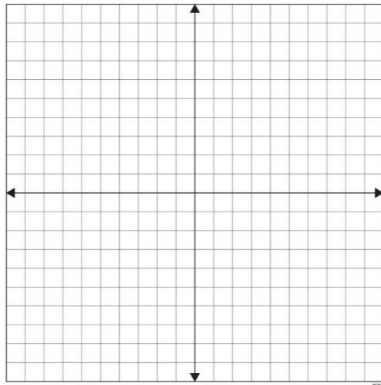
6. $j(x) = |x+3| - 1$

x	y



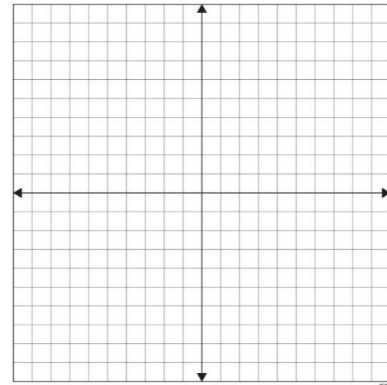
7. $h(x) = \sqrt{x+3} + 2$

x	y



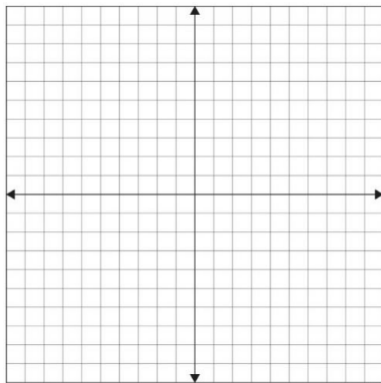
8. $g(x) = (x+3)^2 - 2$

x	y



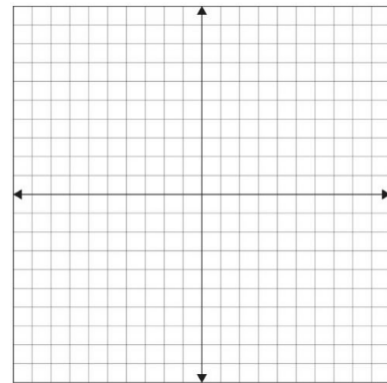
9. $h(x) = \sqrt{x-2} + 3$

x	y



10. $g(x) = |x-3| + 2$

x	y



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

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

