Algebra 2

0-06 Graph Absolute Value Functions and Transformations



Absolute Value Function

f(x) = a|x - h| + k

To graph an absolute value graph,

1. Make a _____ of values,

OR

- 2. plot the _____(*h*, *k*)
- 3. follow the ______ of *a* on the ______ and -*a* on the ______.



Algebra 2 0-06

Graph and compare with y = |x|

$y = x - 2 + 3$ $y = \frac{1}{4} x $	
	>
	_
	_

Graph and compare with y = |x|y = -3|x + 1| - 2

Write an absolute value equation for the given graph.

