

Graphing Absolute Value Equations

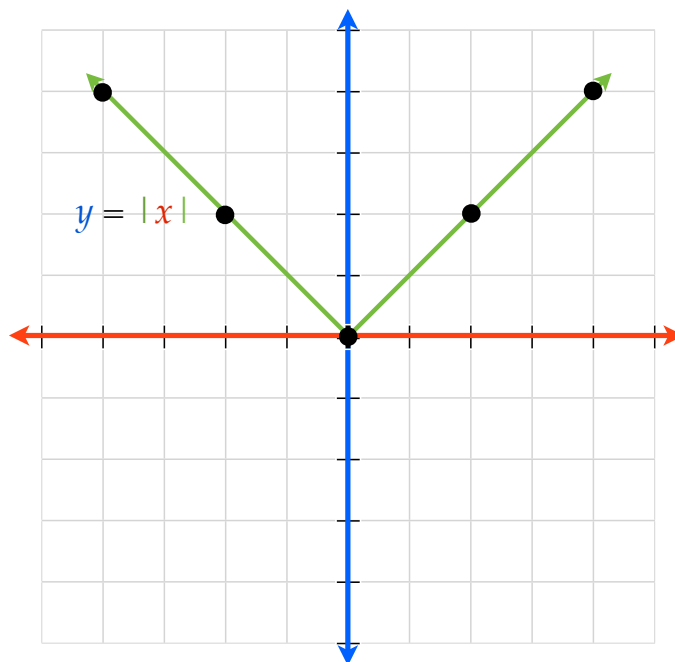
Name _____

Date _____ Period _____

The Absolute Value Parent Function

$$y = |x|$$

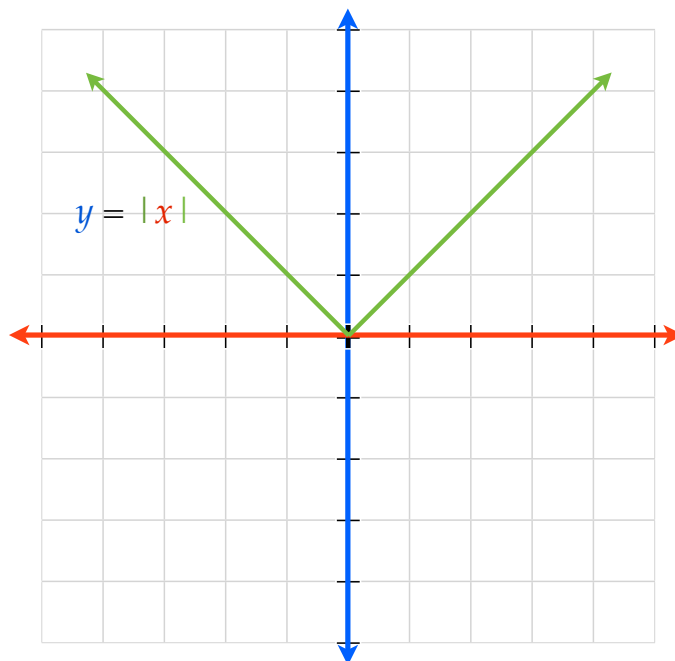
x	y
-4	4
-2	2
0	0
2	2
4	4



The Absolute Value Parent Function

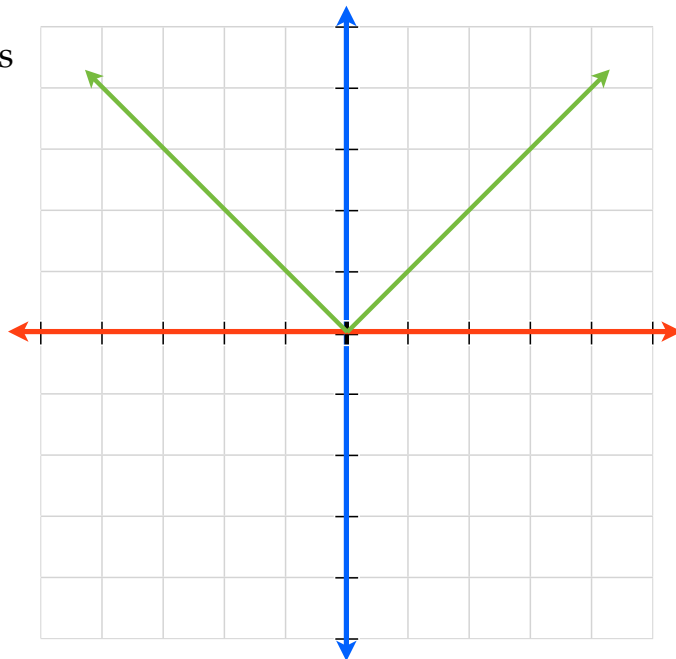
$$y = |x|$$

$$y = a|x - h| + k$$

 $a =$ $h =$ $k =$ Slopes: $\pm a$
ReflectionsHorizontal
TranslationVertical
Translation

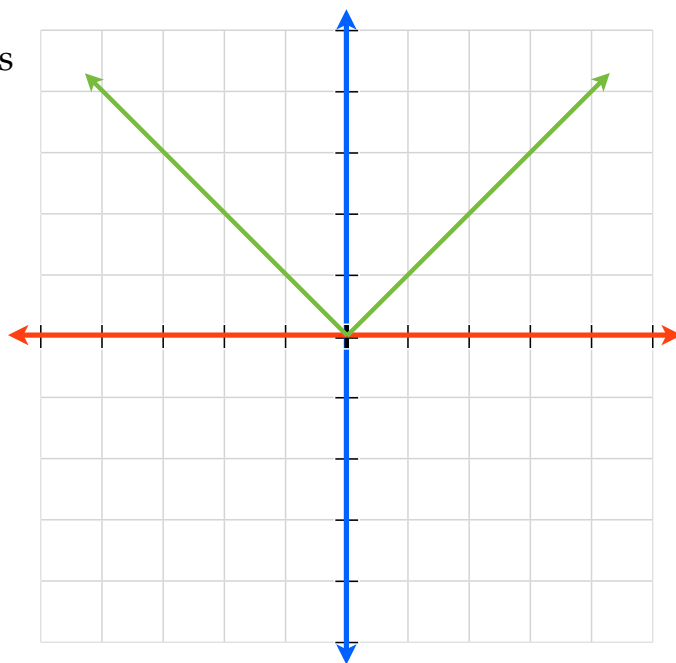
Graph the following Absolute Value Equations

$$y = |x - 3| + 1$$



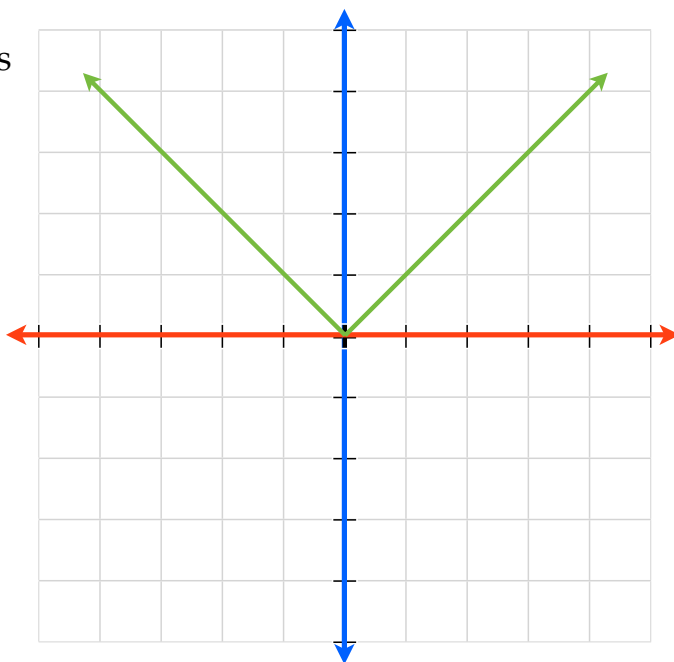
Graph the following Absolute Value Equations

$$y = -2|x + 2| - 1$$



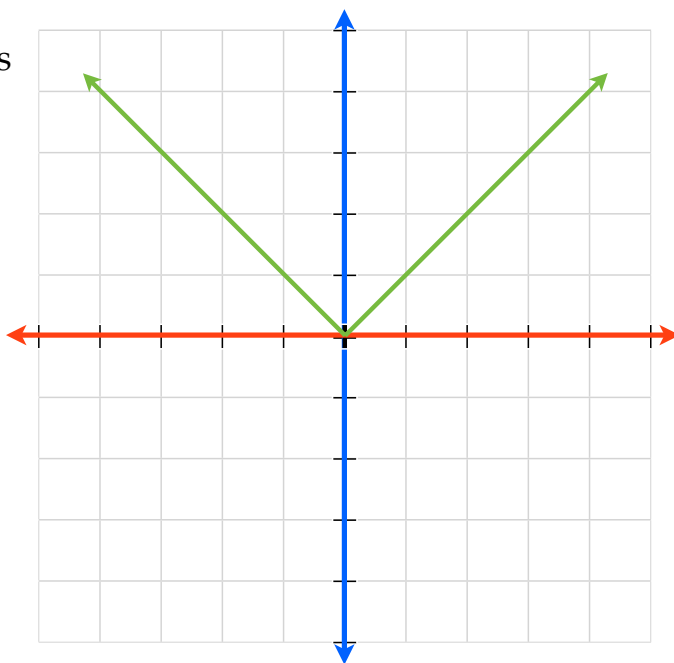
Graph the following Absolute Value Equations

$$y = 3|x + 3| - 4$$



Graph the following Absolute Value Equations

$$y = -\frac{1}{4}|x - 1|$$



The Absolute Value Parent Function

$$y = |x|$$

$$y = a|x - h| + k$$

$a =$

$h =$

$k =$

Slopes: $\pm a$
Reflections

Horizontal
Translation

Vertical
Translation

