

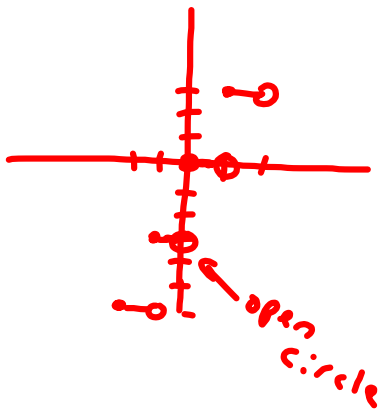
1-7 Step Fns & Abs. Value Fns

$\lceil x \rceil$ ← the greatest integer not greater than x

← means to not round or truncate the #.

Ex $f(x) = 3 \lceil x \rceil$

x	$f(x)$
$(-2) \quad -2 \leq x < -1$	$-6 \quad 3 \lceil -2 \rceil$
$(-1) \quad -1 \leq x < 0$	$-3 \quad 3 \lceil -1 \rceil$
0	$0 \quad 3 \lceil 0 \rceil$



Abs. Value Fn. - All have a "V" shape
 - Coefficient in front of abs. value symbol determines whether the graph opens up or down & whether it's wide or narrow.

Ex $f(x) = -2|x| + 3$

x/y	
-1	$-2 -1 + 3$
0	$-2 0 + 3$
1	$-2 1 + 3$

