

# HOMWORK:

## GRAPH ABSOLUTE VALUE FUNCTIONS

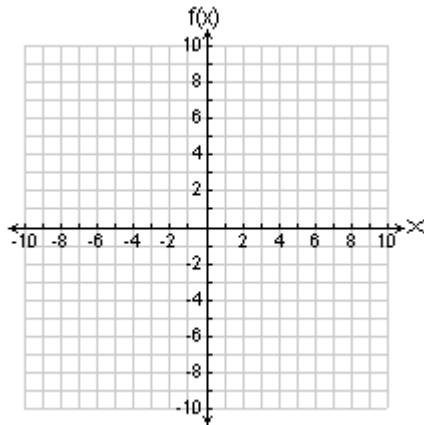


NAME: \_\_\_\_\_

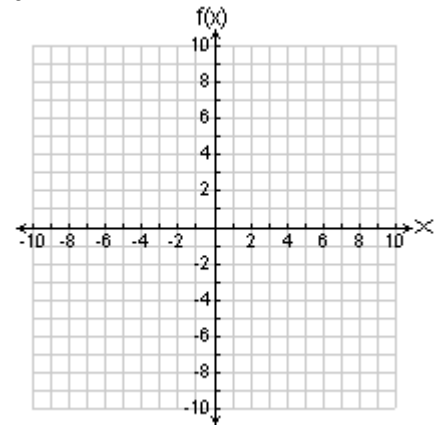
DAY 1

WITHOUT a calculator, sketch the following, your three KEY points should be clear:

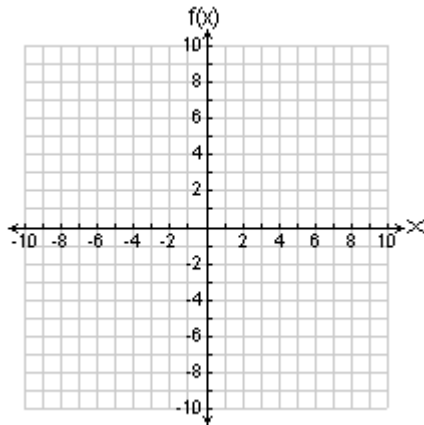
1)  $f(x) = -\frac{2}{3}|x+1|+4$



2)  $f(x) = \frac{3}{2}|x+4|-6$

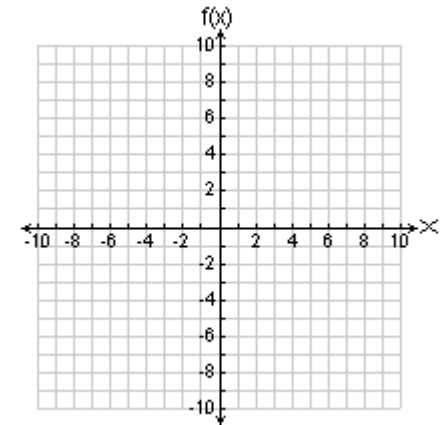


3)  $f(x) = |3-x|$

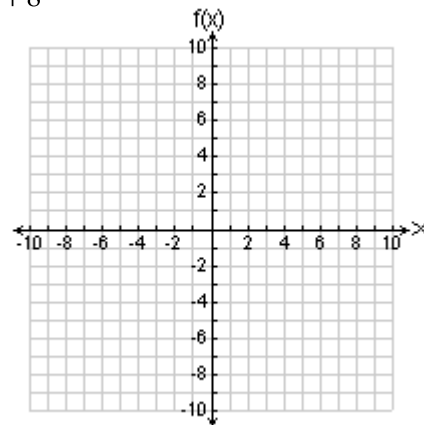


\*Hint: Rewrite:  $|3-x| = |-(x+3)|$

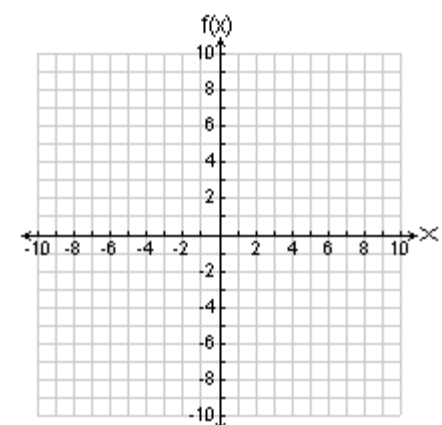
4)  $f(x) = |x-2|+5$



5)  $f(x) = -\frac{5}{4}|x-2|+8$

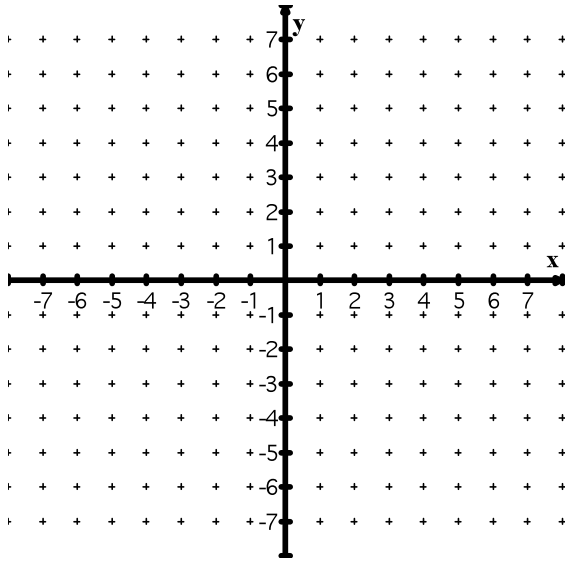


6)  $f(x) = -\frac{7}{3}|x|$

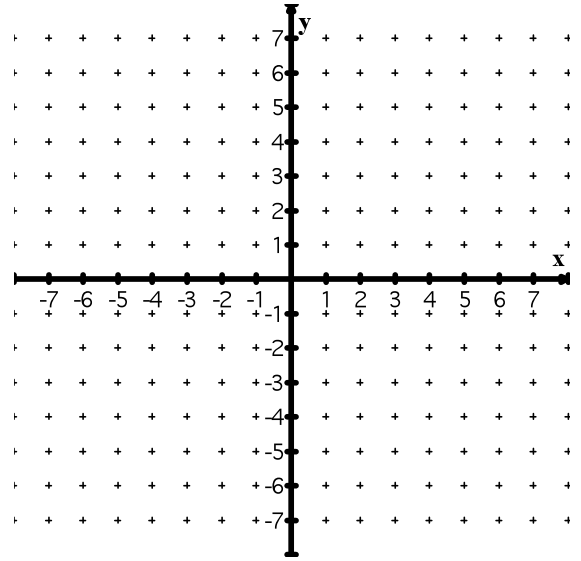


## Graph the absolute value functions:

1.  $y = |x - 3|$

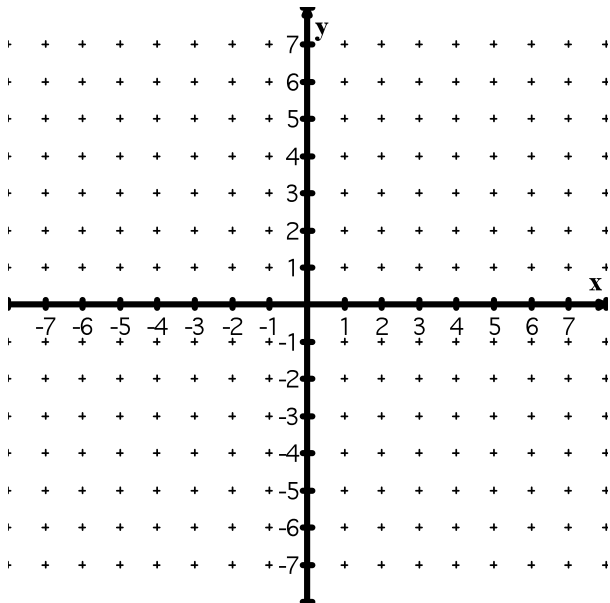


2.  $y = |x| + 4$



## Graph the absolute value functions.

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



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

