

Offline HW 1
Precalculus Algebra- MAC 1140
Fall 2017

This assignment is due on **August 28** in class. Please print this paper and complete the assignment. The graph **MUST** be drawn on the grid provided (make sure it passes through the right points!). Plot at least two points on each branch.

$$\text{Let } f(x) = \begin{cases} 3x + 19 & \text{for } x \leq -5 \\ |x| & \text{for } -5 < x < 1 \\ 2\sqrt{x} & \text{for } x \geq 1 \end{cases}$$

a) Find values of $f(-10)$, $f(-5)$, $f(0)$, $f(1)$, $f(1000)$

$f(-10)=$ $f(-5) =$ $f(0)=$ $f(1) =$ $f(1000)=$

b) Graph this function

