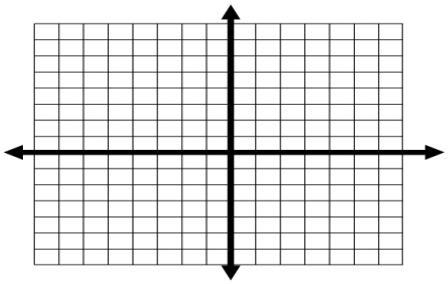
Worksheet Piecewise Functions Name:_____
Algebra 2
Home Work

**Part I**. Carefully graph each of the following. Identify whether or not he graph is a function. Then, evaluate the graph at any specified domain value.

1. $f(x) = \begin{cases} x+5 & x < -2 \\ -2x+3 & x \geq -2 \end{cases}$



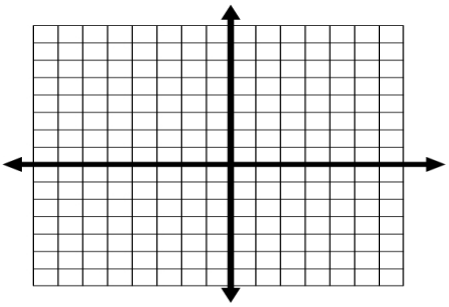
Function? Yes or No

$f(3) =$

$f(-4) =$

$f(-2) =$

2. $f(x) = \begin{cases} 2x+1 & x \geq 1 \\ x+3 & x < 1 \end{cases}$



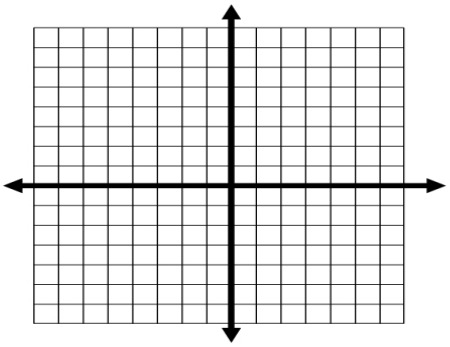
Function? Yes or No

$f(-2) =$

$f(6) =$

$f(1) =$

3. $f(x) = \begin{cases} -2x+1 & x \leq 2 \\ 5x-4 & x > 2 \end{cases}$



Function? Yes or No

$f(-4) =$

$f(8) =$

$f(2) =$