Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ December 14, 2016

CC Algebra

**Piecewise Functions**

1) $f\left(x\right)=\left\{\begin{array}{c}2x+6 x<0\\6-x x\geq 0\end{array}\right. $

1. Evaluate the following

f(4)= f(-3) =



1. Fill in the table below for the input values given



1. Graph y = f(x) on the graph below

2) Graph the piecewise function using a table of values $ f\left(x\right)=\left\{\begin{array}{c}x+5 x<-2\\-2x-1 x\geq -2\end{array}\right. $



3) $f\left(x\right)=\left\{\begin{array}{c}3-2x x\leq 1\\2x-1 x>1\end{array}\right. $

1. Evaluate the following

f(5)= f(-2) =



1. Fill in the table below for the input values given



1. Graph y = f(x) on the graph below