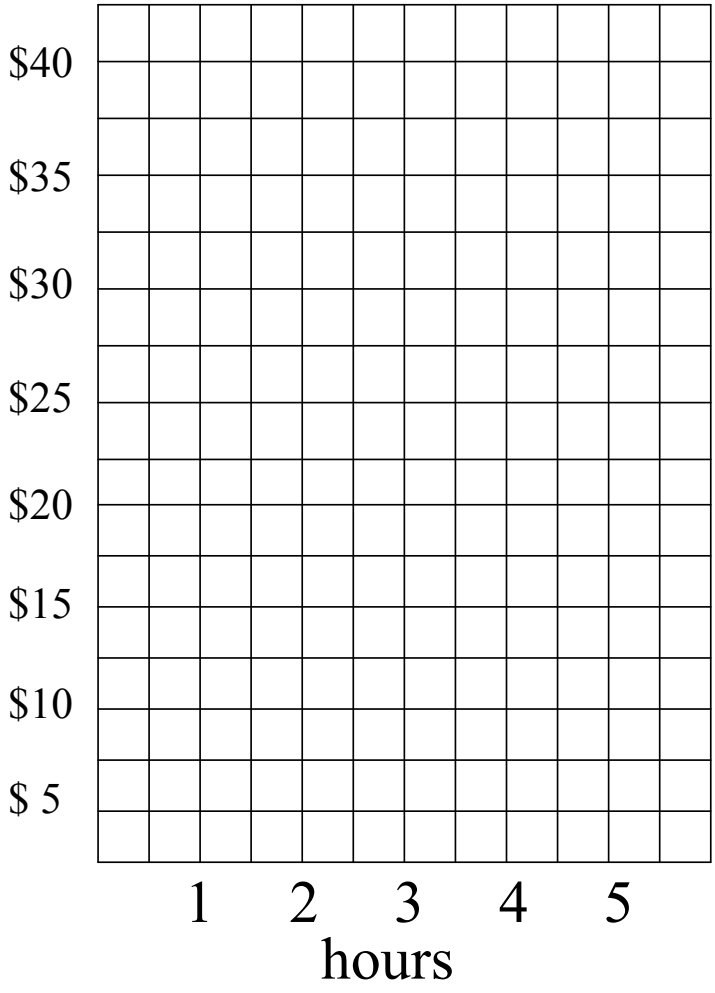
Greatest Integer Funcons

also called linear piecewise or step functions

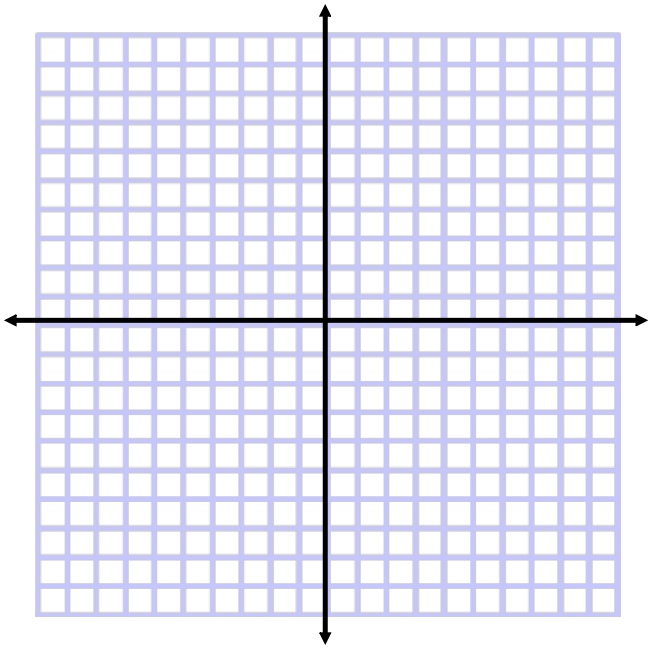
Problem: Suppose a parking garage charges customers $7.50 per hour, or any fraction thereof. Draw a graph of this situation.

x	C(x)

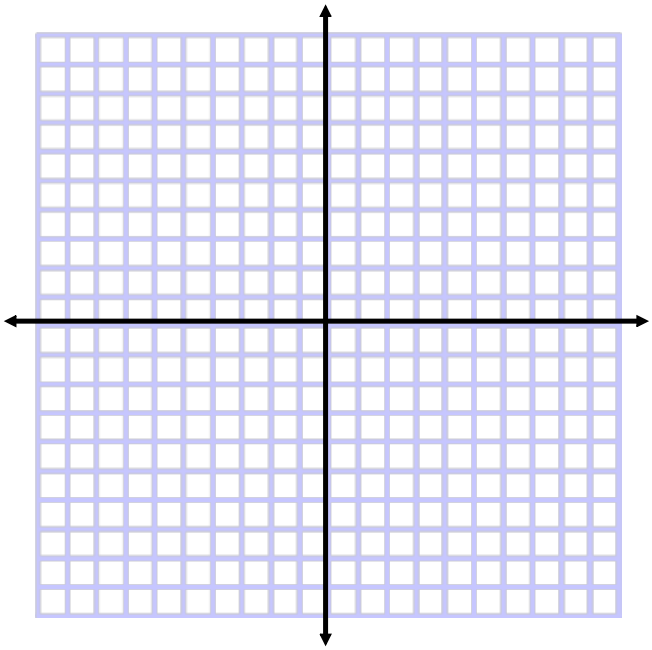


step function notation: [[ ]]

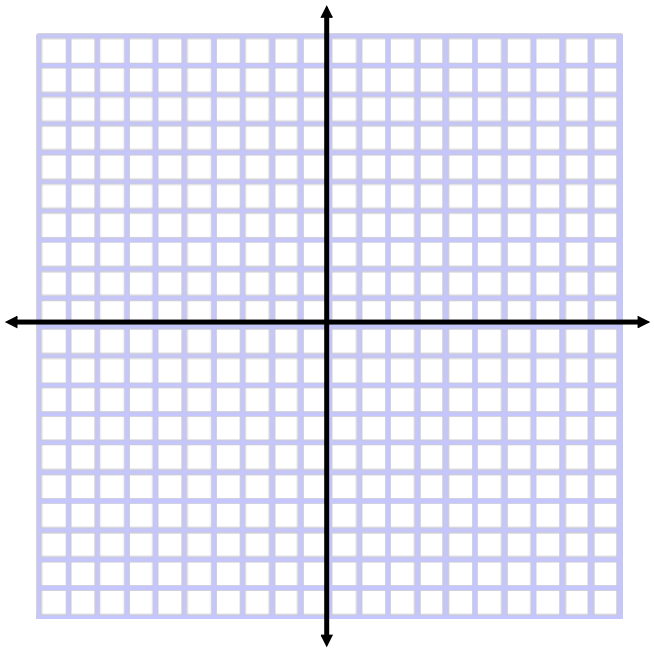
f(x) = [[x]]



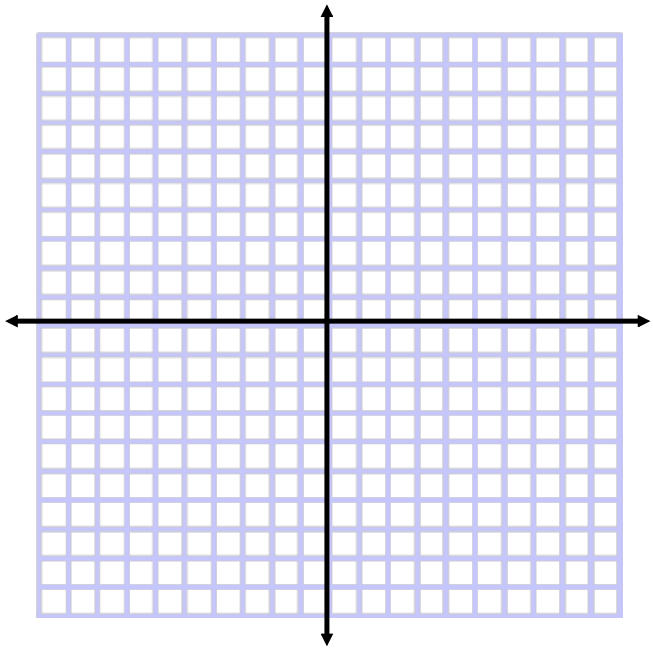
$f(x)=[[x]]$



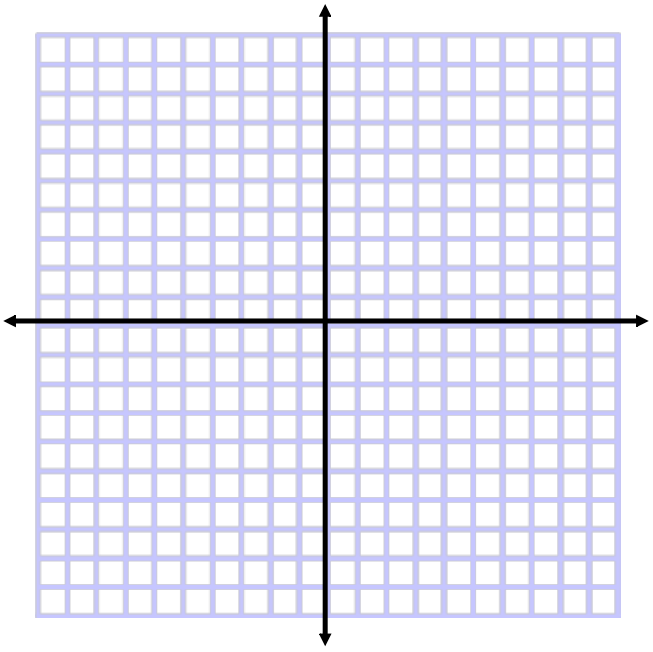
$f(x) = [[x - 5]]$



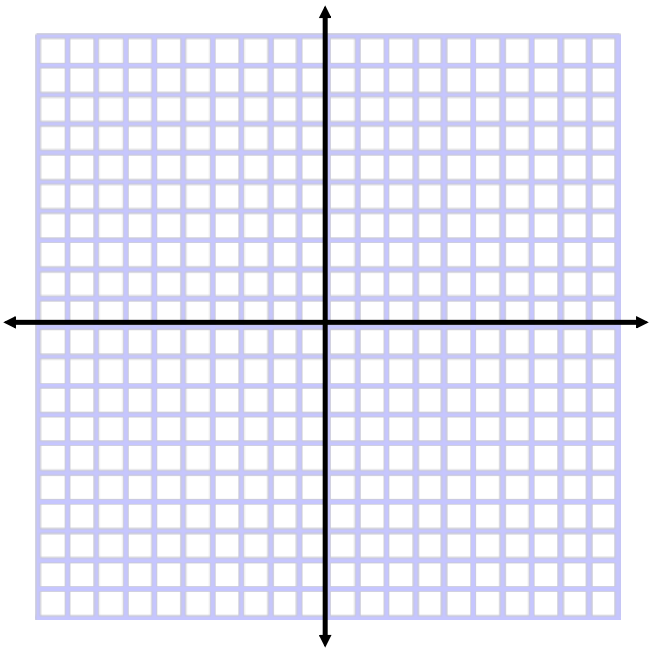
$f(x) = [[x]] - 3$



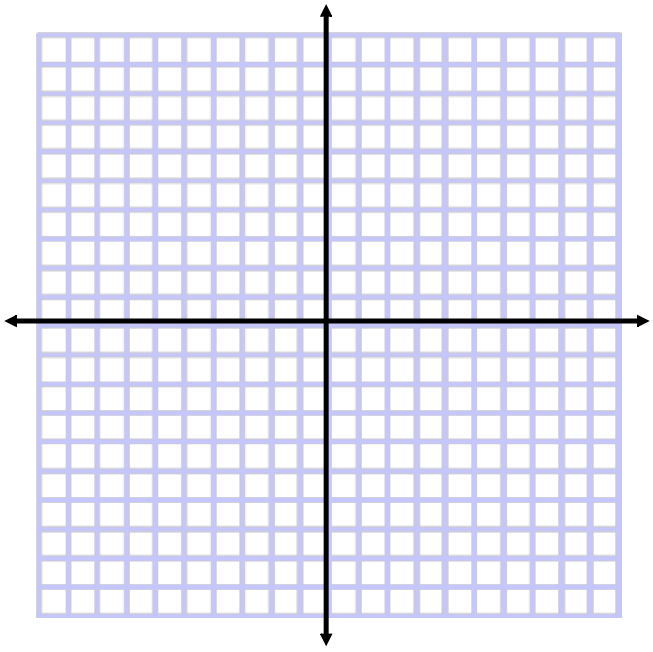
$f(x) = 2[[x]]$



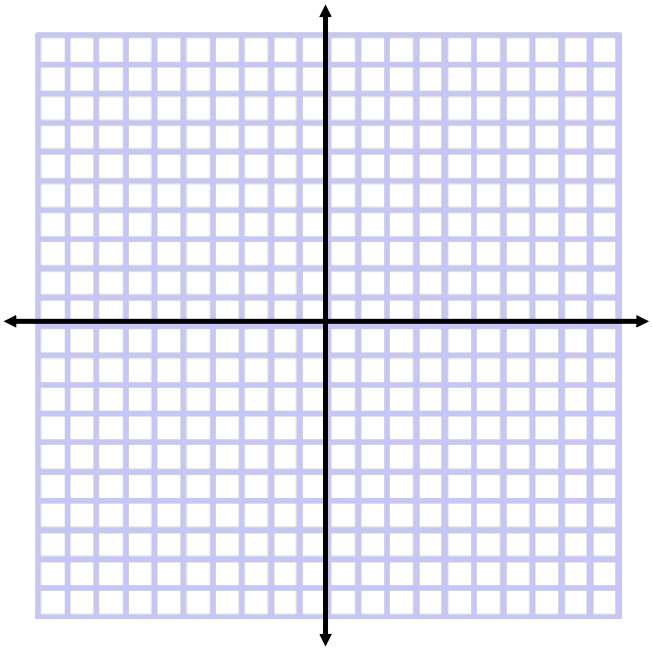
$f(x) = [[1/2x]]$



$f(x)= [[1/2x -3]]$



$f(x) = -[[x]]$



$f(x)= -1/2[[x+1]]$