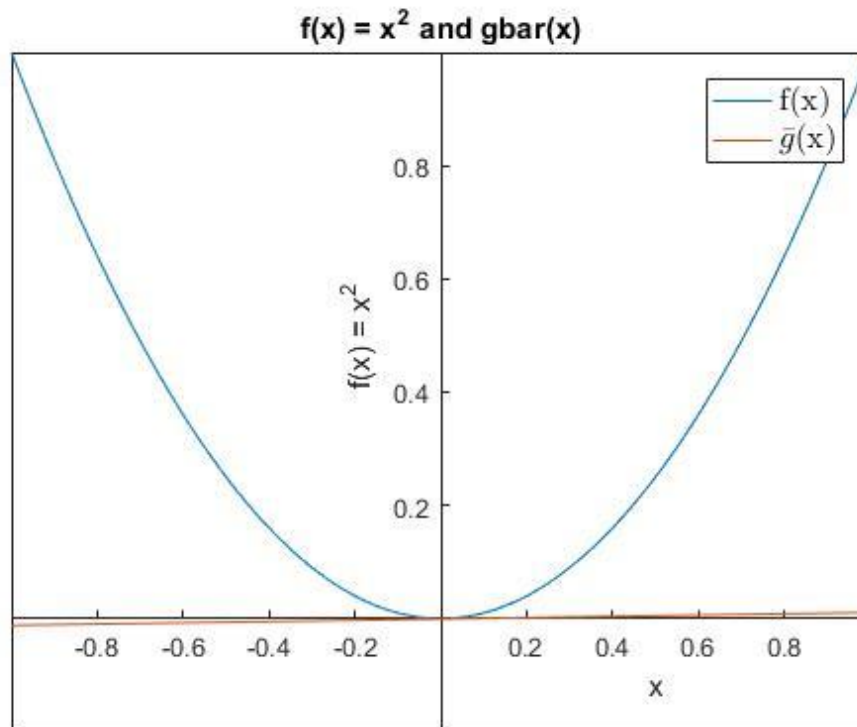


CSE 417T, Fall 2016
HW#2, Due by 9/27/2016
Chih Yun Pai

Problem 2.24 (c)



	Analytical computation (from part(d))	Numerical computation (experiment with $k=10000$)
$E[E_{out}]$	$\frac{8}{15} \cong 0.5333$	0.5274
Bias + Var	$\frac{8}{15} \cong 0.5333$	0.53012
Bias	$\frac{1}{5} = 0.2$	0.2004
Var	$\frac{1}{3} \cong 0.3333$	0.3297
$\bar{g}(x) = \bar{a}x + \bar{b}$	0	$0.0113x - 0.0006$