## 

Math 125 Kovitz Fall 2025

1.		are drawing ets. Fill in th		n replacement fr	om a box of number	ered	
	(a) The expected value for the average of the equals the average of the equals the average						
	(b)	draws goes u			or the of of the draws goes do		
2.	a cit	ty with $37,000$	company takes a simple random sample of 350 households from rith 37,000 households. In all, the 350 sample households had 637 s. Fill in the blanks, using the options below.				
	(a)	The observe	d value of the _		_ is 637.		
			d value of the _				
	(c)	The expecte	d value of the		is equal to the	·	
	Opt	Options:					
	<ul><li>(i) total number of TV sets in the sample households.</li><li>(ii) average number of TV sets per household in the sample.</li><li>(iii) average number of TV sets per household in the city.</li></ul>						
<ul> <li>3. Fill in the table below, for draws made at random with replacement from the box</li> <li>0 2 3 4 6 .</li> </ul>						rom	
		Number of draws	EV for sum of draws	SE for sum of draws	EV for average of draws	SE for average of draws	
		25 100 400					
4.	One	One hundred draws will be made at random with replacement from the					
	Estimate the chance that the average of the draws will be more than 8.2.						
			31% (C) 38				