Worksheet: Random	n Rectangles						
The Scene: 100 recta	•		. •				uctor's go-ahead
	hen I say "Go!" turn guess as to the aver				rectangles	for 5 seco	onds, then record
	Method 1 Estimate :						
of the populatio	en I say "Go!" turn then. Record below the Estimate is the avera	rectangle	number a	nd area of	each recta	-	•
	rectangle number						
	rectangle area						
3 Method 3: In F	RStudio run the follo	wing code	· samn		ethod 2 Es		
This code rando table below. Th	omly selects 5 integenen find and record to average of these five	rs from 1 he areas	to 100. I	Record the	ese 5 num	bers in the	
	rectangle number						
	rectangle area						
4 . We will compile	the class data and	compute t	the average		ethod 3 Es		
	the class data and other three methods. Record		_		u ueviatio	ni, and of	iumber summary

Date:

MATH 140

Name _

5 number summary 1 2 3

st. dev

class mean

Method

How do the centers and spreads of the various distributions compare? Based on these numbers and/or other considerations, which of the three methods do you think will tend to produce the best estimate of the population mean? Explain.

100 Rectangles □ 16 ___ 20 __ 19 30 □ 64