Use the following to review for you test. Work the Practice Problems on a separate sheet of paper.

What you need to know & be able to do	Things to remember	Problem	Problem		
Identify the measures of central tendency. • Mean • Median • Mode		1. 36, 39, 58, 42, 106, 39, 48, 45 Mean 51.63 Median 43.5 Mode 39	2. 50, 55, 60, 58, 62, 57, 68, 51, 6 median 58, 22 median 58 mode none		
Identify the measures of spread.	 Q1 Q3 IQR Minimum Maximum Range MAD 	IQR=14 Min=36 Max=100 Range=70	4. (Use the same #s from 2) Q1=53 Q3=62.5 TQR=9.5 Min = 50 Max=68 Range=18 MAD=4.47		
Construct a box- nd-whisker plot.	First dot: Min First Line: Q1 Middle Line: Median Third Line: Q3 Last dot: Max Outlier: Q1 – 1.5(IQR) Q3 + 1.5(IQR)	5. Using the data from #1 & 3, co 30 39 43.5 53 10 20 30 40 50 6. Are there any outliers? Show yo 53 + 1.5(14) = 74 -	onstruct a box and whisker plot. 106 107 107 108 109 109		
rermine if the ation has a tive, negative, ocorrelation if there is ation.	items are increasing/decre asing Negative: one item increases as he other decreases to Correlation: o relationship ausation: One	Practicing Free Throws vs. Free Throw Percentage Positive Correlation No Causation Weight vs. Amount of Exercise Negative Correlation Ausation	Colors of the Sky vs. Time of Day No Correlation No Caus ation Number of Followers on Twitter vs. Number of Friends on Facebook To Causation Vo Causation		

nd the line of best I.	 y = ax + b r = correlation coefficient (if close to 0 bad fit; if close to 1 or -1 good fit.) 	Price # of Sandwiche	4.00 5.50 68 55	3.50 8.0	good fit for th	7.00 28	
nd the xponential egression model.	 y = a(b)x r = correlation coefficient (if close to 0 bad fit; if close to 1 or -1 then good fit.) 	y = -17 12. Determine the good fit for the Year Revenue y = 2.68	2.13 \times + 13 exponential regradata? $ \begin{array}{c c} 0 & 2 \\ \hline 3 & 4 \end{array} $ (1.38) $^{\times}$	4 7 11 25	5		
		Complete the table to answer the following questions.					
Construct a probability table.	 Joint Probability: Individual Cell/Table Total Marginal Probability: Row or Column Total/ Table Total Conditional Probability: Individual Cell/Row or Column Total 	Males Females 13. What is the prob soccer? 14. What is the prob 73	2/100 = 40 pobility that some $200 = 37$ son likes footbal	17 40 57 Indomly chose 90 eone likes bas	ketball?	er iû Çdiril ÇN	
				la, kreigron			