Name: MAT 222 Spring 2019 Quiz 1	<u>Caleb McWhorter — Solutions</u>	
		"It is possible to commit no mistakes and still lose. That is not a weakness; that is life."
		– Jean-Luc Picard, Star Trek: The Next Generation
Directions: Fo	r each of the following, place a mark in th	ne blank to indicate the correct answer.
Problem 1: If	something is statistically significant, it m	ust have practical significance?
(a)	True	
(b)	False	
Problem 2: A	nalyzation of data should always begin w	ith
(a)	a computation of a confidence interval.	
(b)	a hypothesis test.	
(c)	graphically representing the data (whenever possible).	
(d)	comparing all variables to look for corre	espondences.
Problem 3: W	Thich of the following are problems when	gathering data?
	The difficulty in question design, e.g. loa absolutes, background/phrasing issues, or	
(b)	The costs of performing even 'medium' sized studies.	
(c) confoundi	The fact that even when there is correlation between variables, there may be ling variables. Furthermore, there may not be a causation relationship.	
(d)	All of the above.	
Problem 4: R	ejecting the null hypothesis when you sho	ould not is called
(a)	a Type I error.	
(b)	a Type II error.	
(c)	the power of the test.	
(d)	a whoopsie-daisy.	
Problem 5: W	Thich is generally more serious: a Type I e	error or a Type II error?
(a)	Type I	
(b)	Type II	