STATISTICS 1040 Quiz 1, Fall 2014	Name Recitation Instructor	Time
1. A new medicine called FROVA has been approved for treatment of migraines. In a randomized, controlled, double-blind study of over 1000 migraine sufferers, 46% of the FROVA group experienced migraine relief whereas only 27% of the placebo group experienced migraine relief.		
a) What is a randomized, controlled experiment? (2 points)		
b) What is a <i>placebo</i> ? (2 points)		
c) What does double-blind mean? (2 points)		
2. The following information came to	from FOX NEWS:	
Drinking red wine not only reduces your risk for lung cancer, especially Thursday. People who do or have so percent less likely to develop lung c	if you are a current or ex-sm moked and drink at least one	noker, Reuters reported glass of wine each day are 60
a) Is this a controlled experiment or	an observational study? Exp	lain. (2 points)

b) Clearly explain how socioeconomic status could be a confounding factor in this study and why this might make you doubt their conclusion? (2 points)