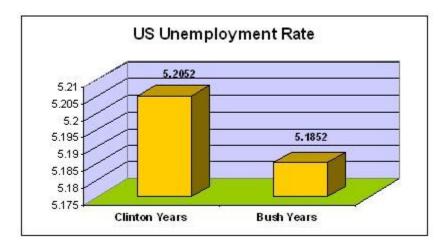
(c) (8 points) Using your answer to part (b), recalculate the percent change in the price of a subway

ride from 2000 to today, adjusted for inflation.

3.	. A double-blind drug versus placebo study of 103 patients suffering from tinnitus (the perception of ringing in the ears) demonstrated the effectiveness of gingko biloba extract. The gingko treatment improved the condition of all the tinnitus patients.		
	(a) (6 points)	Is this study observational or experimental?	
	(b) (6 points)	Identify the treatment group and the control group.	
	(c) (8 points)	Explain what a "placebo" is, and why the researchers might have chosen to use one.	
	(d) (8 points)	Explain what "double blind" means, and why the researchers might have chosen this	
	method.		

4.	Based solely on the information given, do you have reason to question the results of the following hypothetical studies? Explain your reasoning.			
	(a)	(8 points) A study financed by a major pharmaceutical company is intended to determine whether its new cholesterol drug is more effective then similar drugs of competing companies.		
	(b)	(8 points) A TV talk show host askes the TV audience, "Do you support new national mileage standards for automobiles?" and asks people to vote by telephone at a toll-free number.		
	(c)	(8 points) Researchers design five survey questions to determine whether Norwegian citizens are		
	(0)	happier than American citizens.		

5. The following figure compares the average US unemployment rate while Bill Clinton was president to the average US unemployment rate while George W. Bush was president.



(a) (8 points) Identify any misleading aspects of the display.

(b) (8 points) Redraw the display in a fairer way. (Your display does not have to be 3-dimensional.)