1. Read week1.pdf (that I wrote earlier) and give me comments if you have any (e.g., typos you found, or suggestions for improvement)  
  
  
2. Describe an application problem that is interesting to you and that requires a distributed algorithm to solve.  
  
First, describe what the problem is---what needs to be computed or achieved but not how to compute it. That is, describe what is given as input and what is asked as output, including any restrictions on the input and how the output is related to the input, but not how to go from the input to the output. Then, describe what the application domain is or why the problem is interesting to you, if this is not already obvious. Finally, describe why this problem requires a distributed algorithm to solve.  
  
  
3. How to implement message passing for concurrent systems using shared memory?  
  
  
4. What is the maximum value of a Lamport clock in a system at any time?  
  
  
5. In Lamport's logical clock paper, the implementation rule 2(b) says "Upon receiving a message m, process Pi sets Ci greater than or equal to its present value and greater than Tm. Should "greater than or equal" be changed to "greater" instead? Why?