**Homework 10 – Individual Homework Assignment**

**Please complete and turn in this assignment in class on the third day of this module. Assignment will be graded out of 2 points on effort, use of the lectures, video, and reading materials, and thoughtful reflection. Be sure your name is on the paper.**

1. What is Cloud data storage in one sentence? What are the two technologies the video discussed that dominate cloud storage and what are the strengths of each? Do you use the cloud and why or why not (i.e. what are the advantages and disadvantages to you)?
2. In the storage world we talk about a gigabyte as 1 x 109 bytes. A movie in low resolution is around 5 gigabytes, but a high definition (4K) movie like in a theatre is roughly 5000 gigabytes or 5 terabytes. Other systems can generate hundreds of terabytes of data. Given that we are creating larger and larger files, how long does it take to move 100 terabytes of data across the country by fiber? What is the fastest way to transfer that data?
3. Information exchange has always been a driving force behind changes in writing media. We have seen a tremendous growth in information storage. Do you feel that data storage is currently a limiting factor for you personally? Explain. Is there such a thing as too much?
4. What is the difference between primary, secondary, and archival storage? Identify examples from the assigned reading for Day 2 for each of these categories