

**Cosc 4740**  
**Written Q21**

Worth 10 points

*All answers are to be typed. This is **NOT** a programming assignment, no compiler needed, which also means it is due at class time.*

Using the UNIX inode for the file system, with a 4K block size, what is the maximum file size and why? Hint: Don't forget about all the blocks used by the inode. And you can write it out in the form of an equation, instead of the actual number like 1,024.