More Cache Basics

- L1 caches are split as instruction and data; L2 and L3 are unified
- The L1/L2 hierarchy can be inclusive, exclusive, or non-inclusive
- On a write, you can do write-allocate or write-no-allocate
- On a write, you can do writeback or write-through; write-back reduces traffic, write-through simplifies coherence
- Reads get higher priority; writes are usually buffered
- L1 does parallel tag/data access; L2/L3 does serial tag/data