

- Section 30
 - Important words: first-countable, second-countable, Lindelöf, separable
 - Examples 1, 3 – 5
- Section 31
 - Important words: regular, normal
 - Examples 1 – 3
 - Munkres requires that one-point sets are closed in order for a space to be regular or normal. We will not take this additional requirement in our definitions. The separation axioms are notorious for having multiple definitions. We will use the “modern” ones listed on Wikipedia: https://en.wikipedia.org/wiki/Separation_axiom