

Fully answer all questions **by copying and pasting the questions into a labeled Word document and typing your answers** in paragraph form. Save the Word file with the name **BitsBookCh8JohnDoe** using your name instead of *JohnDoe*. Upload the document as specified by the teacher.

Use references from the book where possible but supplement with outside research where necessary. You will be graded on grammar, completeness, diction, and overall presentation. Your answers must be your own independent work that expresses your personal point of view, reflection, and understanding of the material.

1. What did the Radio Act of 1912 do?
2. How did radio flourish in the 1920's?
3. How did cell towers contribute to a smaller, more compact cellphone?
4. What is the channel capacity property discussed by Shannon?
5. What were two obstacles that stood between the Shannon-Hartley result and usable spread spectrum devices?