

Case Studies in Computer Science

Directions: Create a 3-5 minute presentation that answers each of the following questions. Be sure to address the command term used in each question. The format of this assignment is up to you, options include:

- a) a PowerPoint presentation (or nearpod or other similar presentation that can be downloaded and then posted to the class web site on hwmath.net/IBCS
- b) a video – which can be downloaded and then posted on hwmath.net/IBCS
- c) a poster – which will be posted in the classroom, as well as photographed and posted on hwmath.net/IBCS.

Part 1: Terminology

1. Define the term telemedicine
2. Define the term telesurgery
3. Explain what is meant by medical imagery
4. List five examples of medical imagery
5. Define augmented reality

Part 2: Applications

6. Explain how remote monitoring technology provides a benefit to both patients and health care providers.
7. Explain the difference between store-and-forward applications to real-time applications.
8. Explain how a patient's heart beat can be used to protect personal health records.
9. Explain how augmented reality can benefit patient care