|  |
| --- |
| **GE 2318 Homework #5 2024**  **Name: Student ID:**  **Q1:** In the following figures, compare wave signal (a) to (b), (c), (d), respectively:   * Wave signal (a) has anti-phase synchronization with wave \_\_( )\_\_ * Wave signal (a) has shifted-phase synchronization with wave \_\_( )\_\_ * Wave signal (a) has non-synchronization with wave \_\_( )\_\_   C:\Users\eegchen\Desktop\HW5.JPG  **Q2:** Compare which option of the networks has the (1) best, (2) second best and (3) worst synchronizability. Explain why you think so:    **Answer:** (1) Option \_\_\_\_\_ (2) Option \_\_\_\_\_ (3) Option \_\_\_\_\_  **Explain:**  **Q3:** Suppose that you have only one controller to use for controlling a connected network. For the following types of networks with the same large number of nodes, which network would be easiest to control and which would be most difficult to control? Explain why you think so.  (1) A chain network  (2) A ring network  (3) A fully-connected network  (4) A bipartite network  (5) A lattice network  **Answer:**  Easiest \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Most difficult: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  **Explain:** |