Ameer Alkam - 1120217

Exercise 1.2

1. Time-Invariance:
2. Stability:
3. Causality:
4. Linearity:
5. Time-Invariance:
6. Stability:

Given a bounded input , the output will always be the sum of 20 elements, with finite values, and would always be bounded.

1. Causality:
2. Linearity:
3. Time-Invariance:
4. Stability:

Given a bounded input , the output will always be the same value as the input but mirrored, and would have no infinite values.

1. Causality:

System non-causal, since the input at n=-2 would require knowledge of the future at n=+2 to be outputted.

1. Linearity: