Matthew Cloutier

ECE2312 Assignment 1

**Question 1:**

1. Reverberation is integral to the testing of a spacecraft to ensure the structural integrity of the vehicle. When a spacecraft launches, it is subjected to many complex acoustic waves reverberating throughout the vehicle. If a spacecraft does not have the strength to survive these waves, it will be destroyed upon launch. By putting these complex waves through the spacecraft prior to launch, it is ensured that the spacecraft has the strength to survive these complex waves produced during launch.

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**Question 2:**



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**Question 3:**