**Short Response 4: Jan 23, 2019**

***Answer only one question.***

If you answer more than one, only the first answer will be considered.

1. What are three common problems arising when setting design requirements?

* Making bad assumptions
* Writing implementation (HOW) instead of requirements (WHAT)
* Describing operations instead of writing requirements
* Using incorrect terms
* Using incorrect sentence structure or bad grammar
* Missing requirements
* Over-specifying

Or

2. Cite two of the four things a good specification should include.

* Identify minimum requirements
* List reproducible test methods to be used in testing for compliance with specifications
* Allow for a competitive bid
* Provide for an equitable award at the lowest possible cost.

Or

3. What is the difference between a Requirement and a Constraint?

Or

4. List three Types of Constraints.

* Types of constraints
* **Functional**, **Safety**, Quality, **Manufacturing, Schedule, Economic**, Ergonomic, Ecological, Aesthetic, Life-Cycle, Legal/Ethical