

GE-106

CRN: 91863/4/5

First Semester 1444 H (Fall-2022) – 2(2,1,2)
“Introduction to Engineering Design”

Tuesday, September 13, 2022 (17/02/1444H)

Homework 1

Name:	Student Number:
-------	-----------------

Solve the problems described below [5 points each]

1. Find five examples (with sketches) of **elegant inventions** or designs (developed in the last 5-7 years) in your home, office, or plant and show how they are superior. These will probably not be complex devices, but more likely simple ones, such as airtight food containers that are easily opened and closed.
2. Now find three examples (with sketches) of **inventions** or designs (developed in the last 5-7 years) in which you see **deficiencies**. What could be done to eliminate each of these deficiencies?

Rules:

- You must prepare and submit the homework **individually** (i.e. this is not a group assignment).
- Your work must be **neatly written** in pencil (or typed) and in **proper English** (where applicable).
- **You must show all work** (including detailed, labeled sketches).
- Due date: **Tuesday, September 20, 2022 (24/02/1444)**