

IE-105

Section 01, CRN: 29773/4/5

First Semester 1437-38 H (Fall-2016) – 2(1,1,2)

“Introduction to Engineering Design”

Sunday, Oct. 16, 2016 (15/01/1438H)

Homework 1

Name:	Student Number: 4
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Solve the problems described below [5 points each]

1. Find five examples of **elegant inventions** or designs in your home, office, or plant and study them to determine why 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 of devices 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).
- **BOX** your answer(s) and include the **units** (where applicable).

Due date:

- **Sunday, October 23, 2016 (22/01/1438)**