

IE-105

Section 10, CRN: 30620/1/2

Second Semester 1436-37 H (Spring-2016) – 2(1,1,2)  
“Introduction to Engineering Design”

Sunday, Jan. 31, 2016 (21/04/1437H)

### Homework 1

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

1. Find three 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**.
- 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, February 07, 2016 (28/04/1437)**