

GE-105 CRN: 36106/7/8 First Semester 1439-40 H (Fall-2018) – 2(1,1,2) "Introduction to Engineering Design"

Wednesday, November 14, 2018 (06/03/1440H)

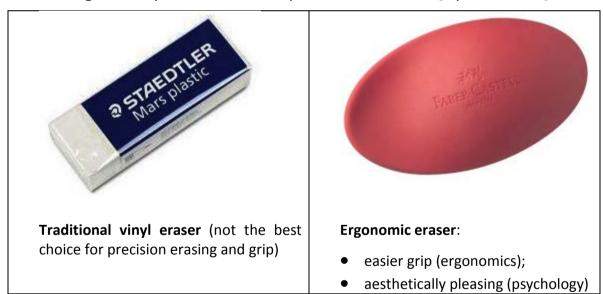
Homework 3

#	Names:	Student Numbers:
1.		43
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Solve the problems described below

1. Human Factors.

- Compare **three** industrial products to their ergonomic versions.
- You are also requested to highlight the **main feature(s)** that distinguish the ergonomic product. An example is shown below [2 points each].



• Note, you can earn **extra credit** by suggesting (using sketches) additional ergonomic design features to each example.

2. Creativity in Design.

- Demonstrate **two products** that demonstrate creativity in design.
- You should describe **what makes the design creative**, i.e. the engineering creative method (e.g. synthesis) and/or the creativity stimulation technique (e.g. analogy) that makes this design creative [2 points each].



Rules:

- You should work with your **project group** for this assignment.
- Place each answer on a separate sheet.
- Your work must be typed and written in proper English.
- Make sure to use properly captioned figures/tables (where applicable) and to properly cite all utilized references.
- Due date: **Wednesday, November 28**th, **2018** (20/03/1440)