**Instructions for Prob. 8.3**

(1) Cut/Paste Outcomes and move each opposite to the number that indicates how you would rank them in order of importance.

(2) After you have moved the all Outcomes, delete the extra rows at the bottom of the table

(3) Cut/Paste the table into your homework document.

(4) Do not forget to explain why you ranked your #1 as the top outcome.

**Prob. 8.3**

Table 1 is my ranking of the (a)-(k) Outcomes of Criterion 3 of ABET Engineering Criteria 2000.

**Table 1**. My ranking of the ABET (a)-(k) Outcomes

|  |  |
| --- | --- |
| **My Rank** | **Outcome (letter, text)** |
| 1 |  |
| 2 |  |
| 3 |  |
| 4 |  |
| 5 |  |
| 6 |  |
| 7 |  |
| 8 |  |
| 9 |  |
| 10 |  |
| 11 |  |
|  | **Delete this row and below after ranking the Outcomes. Then paste the table into your homework document.** |
|  | (a) an ability to apply knowledge of mathematics, science, and engineering |
|  | (b) an ability to design and conduct experiments, as well as to analyze and interpret data |
|  | (c) an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability |
|  | (d) an ability to function on multidisciplinary teams |
|  | (e) an ability to identify, formulate, and solve engineering problems |
|  | (f) an understanding of professional and ethical responsibility |
|  | (g) an ability to communicate effectively |
|  | (h) the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context |
|  | (i) a recognition of the need for, and an ability to engage in life-long learning |
|  | (j) a knowledge of contemporary issues |
|  | (k) an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice. |