<table>
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<tr>
<th>Question</th>
<th>Points</th>
<th>Notes</th>
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<tr>
<td>1</td>
<td>20/20</td>
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<tr>
<td>2</td>
<td>24/20</td>
<td>+4 points: For additional info for question 2a.</td>
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<td>3</td>
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<td>5</td>
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Extra Credit:                                  
Missed Points:                                 
Final Score: 104                               
Additional Comments:                           
Problem 1

You are volunteering at an assisted living home and are responsible for selecting and installing grab bars in some of the bathrooms to make them more welcoming to residents. You think a plumbing handbook with a section on grab bars may help you answer the following questions:

a. At what height should horizontal grab bars be mounted for adults on the wall in inches and millimeters?
   i. Between 33 and 36 inches (840 and 915 mm) above the floor

b. How much space should there be between the grab bar and the wall in inches and millimeters?
   i. 1.5 inches (38 mm)

Citation:
Problem 2

It would be helpful to get some statistics on the size of the civil, social & youth organizations industry in the United States.

a. What is the revenue in $ of the civil, social & youth organizations industry in the United States in 2021?

With an annual growth of 4.6% growth in 2021, the total revenue is 19.6BNB:

b. What is the profit in $ of this industry in 2021?

The total profit in 2021 is 763.6M

Citation:
Problem 3

You need to find a partner to help develop and commercialize (hopefully) your new idea for a social media platform. An industry expert has suggested to you that Facebook, Inc. Might be a potential partner. Before contacting them, learn more about Facebook, Inc.

Uncover the following facts about the company’s operations:

a. The year when the company was founded or incorporated (or changed ownership)
   i. The company was founded in 2004.

b. The address of their headquarters
   i. The address of the headquarters is 1 Hacker Way Bldg 10, Menlo Park, California, 94025-1456 United States.

c. Total number of employees worldwide (i.e, all sites, if possible)
   i. The total number of employees at all sites is 58k.

d. Latest revenue (sales) figures
   i. The latest revenue (sales) figure is 85 Billion USD.

e. What is the US 8-Digit SIC code for their primary industry?
   i. The US 8-Digit SIC code for their primary industry is 73759902.

Citation:
D&B Hoovers, https://app.avention.com/ (for accessing data on companies; accessed September 15, 2021)
Problem 4

You would like to learn more about inclusive design, and you know that the right book can provide a good summary on this topic. Use the resources found on the 2.009 Guide to answer the following questions:

a. Find a general book on inclusive design, available in the MIT Libraries. Provide a good citation for the book, including the library call # at the end of the citation and which library has the item (Dewey, Rotch, Barker, etc.) or if it is an eBook.

   i. **General Book on Inclusive Design**

b. To find more specific information, you want to read a scholarly article on the narrower topic of inclusive design of packaging or containers.

   i. Use a database to search for an English language journal article on this topic published in 2010-2021. Provide a good citation for the article, and include the bibliographic database you used to find the citation.

      1. **Scholarly Article on “inclusive design of packaging or containers”**

   ii. Does MIT have a print subscription to this journal for the year that the article was published? If yes, in which library is it held? Does MIT have access to an electronic version of this article?

      1. MIT does not have a print subscription to the 2010, they only have up to 2007 which is located in Library Storage Annex Off Campus Collection TA.J86.E57.

There is however an online version that is available.
Problem 5

You want to make sure your design or project idea is unique before you take it to a company or customer for production. Check the patent literature, and find one granted (not an application) United States utility patent for an electronic greeting card.

a. **Patent Title:** Electronic greeting cards

b. **Patent Number:** US8950093B2

c. **Assignees and Inventors:**

   i. Inventors: Josef A. Mandelbaum, Beachwood, OH (US); Rajiv Jain, Monte Sereno, CA (US); Allison Marsh, Olmsted Township, OH (US); Kimberly Bikowski, Avon, OH (US); Cathy Tasse, Westlake, OH (US); David Mayer, Bay Village, OH (US); Eliza DeVogel, Lakewood, OH (US); Katalina Speck, Westlake, OH (US); Mary McClain, Shaker Heights, OH (US); Sharon Bogdanski, Westlake, OH (US); Melinda Leeders, Canton, OH (US); Catherine Gruntman, North Olmsted, OH (US)

   ii. Assignee: American Greetings Corp

d. **Classification Code:**

   i. A63H 13/00: Toy figures with self-moving parts, with or without movement of the toy as a whole

e. We found this patent on [Google Patents](https://www.google.com), using the link from the MIT Libraries website.

**Citation:**