Laboratory 1: Introduction to Principles of Chemistry  
**Minneapolis Community and Technical College  
Dept. of Chemistry v.1.22**

**Instructions:** You will need access to the Microsoft office suite; MS Word and Excel. To install this software on your personal computer, go to this [WEBSITE](https://nam02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fportal.office.com%2F&data=02%7C01%7Ckirk.boraas%40minneapolis.edu%7C1e554ca37ec34c6f84d508d8495dcece%7C5011c7c60ab446ab9ef4fae74a921a7f%7C0%7C0%7C637340014531287619&sdata=h3XvfFwCbH9YJyEcCLlwS6KsD0tSdbp5XniGsKDInxA%3D&reserved=0) (Ctrl-click on links). Use your username *(StarID@minnstate.edu)* and *password* for access.  
  
**INSTALL** the software to your computer. The browser-based Office 365 won’t work for this class.   
  
When solving chemistry problems, you must always show your work. Answers that require mathematical calculations can be hand-written. All other question responses must be typed. No Exceptions.

Answer the following questions. When finished, [convert this MS Word document into a pdf file](https://www.youtube.com/watch?v=JyRH6HnN_Oo). Then, email the file to your instructor before the due date.

**For security reasons, only pdf files are accepted. Other file formats will be immediately deleted.**

Graphical user interface, text, application, chat or text message

Description automatically generated

1. Solve  **3x2 + 7x - 14 = 0**  for both values of x using the quadratic equation shown at right.  
     
   Insert your handwritten solution (all steps) in the space below:

1. Describe your strategy for succeeding in this chemistry course. (Minimum 5 well-written sentences)

1. Principles of Chemistry has many prerequisites. Below, list the math and chemistry courses you’ve taken in the last 5 years. Include when and where you took them.   
     
   *Note: your response will not result in you being automatically dropped from this course. However, if it looks like you lack certain prerequisites, I will be in touch with you.* 😉
2. You must have your hardcopy lab notebook with you when you attend lab. In the space below, replace the figure with *side by side* pictures of the i. front cover ii. table of contents iii. Number all pages and include page 53 below.

A picture containing diagram

Description automatically generated

1. Graphical user interface, text

   Description automatically generatedGoggles and masks are required when we meet in lab. Use a permanent marker (Sharpie) to write your name on your goggles. Replace the picture below with a picture of your goggles (name showing).   
   Note that goggles must be of the splash-proof variety shown below ( ~$17 on Amazon )