Name(s): _____

Homework #2: Computing Scavenger Hunt (5 points)

Due to Gradescope by 11:45 PM on Thursday, September 2nd

You need to submit a pdf to Gradescope; failure to assign pages to questions will result in a 10% deduction on your grade. You may write/type your answers directly onto this document or on separate paper as long as you number your answers.

For **full credit** on this assignment, you need to correctly complete at least **50 of the 70 possible points**. If you do not complete 50 points correctly, your grade will be the number of points completed out of 50. If you complete more than 50 points correctly, good for you (but you will not be getting any extra credit). Your grade on this assignment will be scaled to be out of 5 points and entered into Canvas. All of the answers can be discovered on course webpages, in zyBook assignments, on campus, or through some web searches online. Expect this assignment to take you 30-90 minutes (depending how much energy you want to put into it!) You can do this assignment with *one* friend/peer; if so, *both* names should be included on the answer sheet; *only ONE person should upload the assignment to Gradescope and it must be uploaded as a group with both names selected*. Any student who receives 70 points will be put into a raffle for two CS@Mines t-shirts.

1. (4 points) Who is well known for developing methods to decipher messages during WWII?

2. (2 points) According to the zyBook, who is generally regarded as the first computer programmer?

3. (3 points) …and what was the name of the device that they wrote programs for?

4. (3 points) “ACM”, as in the “Mines ACM Student Chapter” or the “ACM ICPC”, stands for what?

5. (3 points) How much memory did the hard disk on the Dell 320 Notebook displayed in CTLM have?

6. (3 points) List at least three of the keywords that Dr. Camp stressed in her welcome video for 101 students.

7. (4 points) List all exam(s) or project(s) you need to pass in order to pass CSCI 101.

8. (4 points) How much did the Osborne computer displayed in CTLM cost? What year was it debuted?

9. (3 points) Friday (Aug 27th) from 4pm to 6:30pm, the Mines ACM Student Chapter will be at (or was at) the Celebration of Mines. What is the name of the model of retro computer at their booth?

10. (3 points) Many CS@Mines students participate in events known as “Hackathons.” Describe what one of these events entails.

11. (3 points) The first personal computer was built by John Blankenbaker in his garage. What year did he build this computer?

12. (2 points) What material was the first computer mouse made from?

13. (4 points) U-CLIMB is a near-peer mentoring program for this course. Write one fact about the program found on the U-CLIMB homepage. A link to this site can be found on the contact page of the 101 course website.

14. (4 points) Who popularized the idea of machine-independent programming languages which led to the development of high-level programming languages?

15. (3 points) What is the most fundamental difference between a Linux operating system and a Windows operating system?

16. (2 points) The “Isengard” server is accessible to all Mines students. Which operating system does it run under?

17. (4 points) What two classes in the CS department can be double counted towards both a BS and an MS?

18. (2 points) Describe the difference between volatile and non-volatile storage. What type of storage is volatile?

19. (4 points) Stuxnet was a malicious worm uncovered in 2010. What does a worm do and what was Stuxnet specifically designed to do?

20. (3 points) Guido Van Rossum published the first version of this high-level programming language in February of 1991. Which programming language was this?

21. (3 points) In the 1980s the first object-oriented language to be widely used commercially was developed by Bjarne Stroustrup. Which programming language does this refer to?

22. (4 points) Which building on campus is CS@Mines in?