Name: Solutions

Instructions:

- Complete this worksheet as best you can. It will not be graded, but completing it will count towards your participation and attendance grade. Please put your name on it and hand it in before leaving class.

Problem 1. Have you ever programmed before? Please answer yes/no. If your answer is yes, which programming languages have you programmed in?

Problem 2. Consider the binary (base 2) number 111. What number does it represent in base 10? If you don’t know, just guess - you will receive full credit on this worksheet regardless of your answer.

A. 7
B. 265
C. 171
D. 16
E. 3

Problem 3. Describe in a sentence or two what you think this fake program does. Again, just guess as best you can. The numbers on the left correspond to the line of code.

1  \( A = 4 \)
2  If \( A \) is \( 0 \) GOTO 5
3  \( A = A - 1 \)
4  GOTO 2
5  HALT

The program sets a variable \( A \) equal to 4 and then repeatedly subtracts 1 from \( A \) until \( A \) is equal to 0 and then stops.