Ejercicios AD

1. Write an Assembly program that contains the following calculation in Java.

int X, Y;

X = 6 + Y \* 5 + 2;

1. What is the duration of a single clock cycle in a 3.2-GHz processor?
2. If a Boolean function has five inputs (variables), how many rows are required for its truth table?
3. Create a truth table to show all possible inputs and outputs for the Boolean function described by

- A v - B

1. What are the hexadecimal representation of the ASCII string “Hidalgo 50”; and which one is the decimal representation of the ASCII string “A1b2c3?”?
2. What is the sum of each pair of unsigned 16-bit hexadecimal integers?
3. 4ED + 5AC
4. 8D5 + A58