**HW-01**

**Problem 1:**

1. What is the difference between an Algorithm and a Program?

* A) An algorithm is a conceptual idea, a program is a concrete instantiation of an algorithm.

1. True or False? A computational mode of thinking means that everything can be viewed as a math problem involving numbers and formulas

* A) True

1. True or False? Computer Science is the study of how to build efficient machines that run programs

* A) True

1. The two things every computer can do are:

* B) Convert electricity to numbers

1. In the following numeric expression, what is evaluated first?

* C) 4\*a

**Problem 2:**

1. A sequence of instructions is called a(n)

* A) Program

1. Writing Python statements is called

* A) coding

1. Which programming tool graphically depicts the logical steps to carry out a task and show how the steps relate to each other?

* A) Flowchart

1. Which programming tool uses English-like phrases with some Python terms to outline the task?

* D) pseudocode

1. Integer division is accomplished using the \_\_\_\_ operator.

* C) /

**Problem 3:**

