HW 7: `W` = `X` + `Y` + `Z`

Assignment: Write a **TOY** assembly language program to add the values of 3 variables, **`X`**, **`Y`**, and **`Z`**, in memory and store the sum in a fourth, **`W`**.

Details: The variables occupy consecutive words of memory starting with **`W`**. The address of **`W`** is in register **`$3`**. Register **`$4`** contains the constant **`1`**. *Do not change* the values in registers **`$0`** through **`$4`**. You can use registers **`$5`** through **`$F`** as you please. Your program should consist entirely of addition (**`add`**), load (**`l`**), and store (**`st`**) instructions.

Hint: You will need to construct the addresses of variables **`X`**, **`Y`**, and **`Z`** in a register or in registers. There are various ways to accomplish this.