# HW 2: Processor Components

In two or three sentences of your own words define, describe, or discuss the following components of the TOY processor:

1. Register
2. Register File
3. A (B) multiplexer (MUX)
4. **A** (**B**) Bus
5. ALU — *Arithmetic / Logical Unit*
6. **C** Bus
7. Program Counter (**PC**)
8. Instruction Register (**IR**)

# The **TOY** Processor