

**Activity 1:**

- 1)
  - a) Methods usually refer to a subroutine associated with an object, it is part of a class.
  - b) Function, returns a value from the inputs
  - c) Procedure does not return a value, but causes side effects
- 4) Line 20 since it is adding and giving the result
- 5) No we cannot use j instead of jr
- 6) line 12, \$ra, 0 is being saved however needed to be changed
- 7) returns error
- 8) address returned 0x00400020
- 9) It isn't correct
- 10) new address: 0x00400028 the output is 15
- 11) jal operator

**Activity 2:**

- 1) The output is 38.
- 2) Load into program
- 3) Since \$ra can't hold multiple addresses, the address isn't returned.
- 4) move values to stack in order to store them
- 5) Value 15 replaces \$s0 making a problem since main should have the original value.