EGC442 First Name:		Problem Set 7	Dr. Izadi
		Last Name:	
		rocedure Power for computing x ^y . am pass the parameter values to Po	•
add add add	\$s1, \$a1, \$zero \$v0, \$s0, \$zero \$v1, \$s1, \$zero		
is in \$s7. Copy \$s3	 2) A first part of a main program calls procedure Power to compute x^y, where x is in \$s0, y is in \$s1. Later, the program is to call Power again, but this time x is in \$s3 and y is in \$s7. How might the program pass the parameter values to Power? Copy \$s3 to \$a0, and \$s7 to \$a1. Not possible; x and y must be in \$s0 and \$s1. 		
instru	uction is at address 1000 jal is unrelated to \$ra. to 1000.	er procedure using the instruction: O. What happens to \$ra?	jal Power. That
_	ocedure Power compute the result before return	s \$a0 to the power of \$a1. In whicing?	h register should Power
back ir Calle ir \$ra ightarrow jal \$ra	to the next instruction in		nould the procedure jump
False			

0	7) The jal instruction copies registers to the stack. True False		
0	8) A procedure should copy all of registers \$t0-\$t9 and \$s0-\$s7 to the stack, before executing the procedure's computations.TrueFalse		
0	9) If a procedure will update registers \$s0, \$s1, \$s2, and \$s3, the procedure should make room on the stack by adding 16 to \$sp.TrueFalse		
0	True		
0	11) MIPS allows a procedure to modify registers \$t0-\$t9 without saving those registers to the stack and restoring those registers upon returning.TrueFalse		
	12) Write a MIPS subroutine to carryout the following function. $temp = v[k]; \\ v[k] = v[k+1]; \\ v[k+1] = temp; \\ Assume base address of v is register $a1, k is in register $a2, and temp is assigned to $s1.$		