## Problem FC-5 (3 parts)

## Loops in MIPS and C

**Part A** Write a MIPS code fragment that corresponds to this C fragment. Assume \$1 holds N, and \$2 holds Sum. Feel free to use additional registers, but use a minimum number of instructions and registers.

Label	Instruction	Comment

Part B Briefly describe what the code fragment in Part A computes.

**Part** C Write MIPS code that implements the following expression. The loop body is already listed. Use \$3 for N and additional registers as needed.

for  $(N = 0; N < 100; N++) \{ loop body \}$ 

Label	Instruction	Comment
		# loop body