

CO:

16. Consider the following C-language program. Functions main(), calculate(), evaluate(), and square() are placed starting at locations 600_{10} , 700_{10} , 800_{10} , and 900_{10} , respectively in memory. Integer variables c, d, and i are stored in registers \$50, \$61, and \$62 R5, R6, and R7, respectively. Assume that register \$60, \$61 R5, R6, and the stack pointer (\$60 SP) are initialized with the values 6, 9, and 8000_{10} , respectively. Show stack contents (in decimal) when the stack is at its maximum size while executing the given code. Do not write register

