

COE 205 : Computer Organization & Assembly Language
Quiz on Macros – Saturday, December 17, 2005

Name:

ID:

Write a macro *mult10* that multiplies *src* operand by 10 and stores the result in *dest* operand.

`mult10 dest, src` which performs `dest = src * 10`

You should use only shift and add instructions to perform the multiplication. Your macro should work properly when the *src* and *dest* are registers and/or memory locations. The registers used in this macro and the *src* operand should also be preserved. The *src* and *dest* should be word operands. Otherwise, an error message should be displayed.