

Due to Prof. Walker by 5pm on Friday 10 October 2003
this project counts as 10% of your course grade

1. Do **Lab Exercise 4 on page 61** of *Rapid Prototyping of Digital Systems, Second Edition*.

Turn in:

- a) a document that describes your design and any design decisions that you made (10 points)
- b) a readable (not microscopic) printout of the schematic (5 points)
- c) a printout of the test inputs and simulation output that shows that the circuit works as expected, annotated to explain the operation of the circuit (15 points)
- d) a signature on the statement below by Prof. Walker, by the TA (Ping Xu), by one of Prof. Walker's research students (Kevin Schaffer, Meiduo Wu, or Hong Wang), or by two other students in the class (20 points):

I certify that _____ has successfully downloaded this design to a UP1 board and the design works correctly.

_____ Name _____ Date

_____ Name _____ Date

2. Do **Lab Exercise 11 on page 62** of *Rapid Prototyping of Digital Systems, Second Edition*, testing only the unsigned multiply function of the LPM_MULT megafunction.

Turn in:

- a) printouts (a) through (c) similar to those in problem 1 above (30 points)
- b) a signature on the statement below by Prof. Walker, by the TA (Ping Xu), by one of Prof. Walker's research students (Kevin Schaffer, Meiduo Wu, or Hong Wang), or by two other students in the class (20 points):

I certify that _____ has successfully downloaded this design to a UP1 board and the design works correctly.

_____ Name _____ Date

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