

Jesse Mayer

HW#4

|      |      |              |    |      |              |
|------|------|--------------|----|------|--------------|
| 1.a. | PUSH | {R4,R5}      | b. | LDRD | R1,R2,[R0],8 |
|      | LDRD | R2,R3,[R0],8 |    | SUB  | R1,R1,5      |
|      | LDRD | R4,R5,[R1],8 |    | STRD | R1,R2,[R0],8 |
|      | ADDS | R2,R2,R4     |    |      |              |
|      | ADCS | R3,R3,R5     |    |      |              |
|      | STRD | R2,R3,[R0],8 |    |      |              |
|      | POP  | {R4,R5}      |    |      |              |
| c.   | MUL  | R3,R0,R1     | d. | MUL  | R3,R0,R1     |
|      | STR  | R3,R2        |    | STR  | R3,R2        |
| e.   | SDIV | R3,R0,R1     | f. | UDIV | R3,R0,R1     |
|      | STR  | R3,R0        |    | STR  | R3,R0        |
| g.   | SDIV | R3,R0,R1     |    |      |              |
|      | MLS  | R0,R1,R3,R0  |    |      |              |
|      | STR  | R0,R2        |    |      |              |
| 3.   | MUL  | R3,R0,R1     |    |      |              |
|      | MUL  | R12,R3,R2    |    |      |              |
|      | STR  | R12,R0       |    |      |              |