

10. (4 pts) Translate into FORTRAN notation each of the following expressions:

a.  $N^2 + 2M + \sqrt{\frac{7}{2}}$  \_\_\_\_\_

b.  $(W + T)^{2N-1} - \frac{X^I + Y}{C - X^2}$  \_\_\_\_\_

11. (2 pts) a. Let  $X = 13.95$  and  $JJ = X$

Then  $JJ =$  \_\_\_\_\_

b. Let  $I = 7$  and  $WEEK = I$

Then  $WEEK =$  \_\_\_\_\_

12. (2 pts) Perform the following calculations using FORTRAN rules of arithmetic:

a. Let  $A = 2.5$   $B = 3.$   $C = 1.5$

$A*(B+2.*C)/(A+C) =$  \_\_\_\_\_

b. Let  $I = 3,$   $J = 4$

$(I+7)/J*2 =$  \_\_\_\_\_

13. (2 pts) Indicate the errors, if any, in the following FORTRAN expressions:

a.  $2.A - B * 5./(A + B )*C$

b.  $(M + 1)**3 + (2 + K/M) * * (3(N - 1 ))$