G. Resinovic

Name_____

Section_____

K201-Quiz 2C
9/24/81

(2 pts) 1. Indicate and explain errors (if any) in the following FORTRAN arithmetic statement:

RAD ØN = (PET-PAUL)*3/(RAD-ØN+1)**5-INPUT)

(4 pts) 2. Translate the following mathematical expression into an equivalent FØRTRAN expression:

$$\frac{(KAPA1-U)^2+5.5B}{A-THETA} \quad -R^{2+K}$$

(6 pts) 3. Evaluate the following sequence of FØRTRAN statements, given A=2.:

```
B=(A-1.)**2-2.
C=((A+B)*(A-B))/2.
KØRS=(A+2.*C)/(C-2.*B)/2.
```

(8 pts) 4. Consider the following card layout:

| Card columns | Description | Form | Variable Names |
|---|---|---|---|
| 2-10 | Item# | Integer | _____ |
| 11-21 | Department | Alphanumeric | _____ |
| 31-35 | Quantity | Integer | _____ |
| 38-43 | Price | XXXX^XX | _____ |

(Decimal point not punched in the "Price" data field)

Define variable names and write FØRTRAN statements necessary to read this card and enter above data into memory registers associated with variable names.