G. Resinovic

Name_____

Section_____

K201-Quiz 2B
9/23/81

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

```
A112=(2-3K/MØTØ)**PI/A+123)-K**2
```

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

$$\frac{(2A+1.)(2B-1.)-J1}{A+B^2} + (A-1.)^2$$

(6 pts) 3. Evaluate the following sequence of FØRTRAN statements, given A=4.:

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

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

ard columns	Description	Form	Variable name
3-8	Sequence#	Integer	_____
11-25	Name	Alphanumeric	_____
26-27	Credit hours	Integer	_____
39-42	Points	XXX^X	_____

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

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