G. Resinovic

Name _____

Section _____

K201-Quiz 2B

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

```
INTEGER= -(2*BAL-1./-BIL(6.+3.5A)
```

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

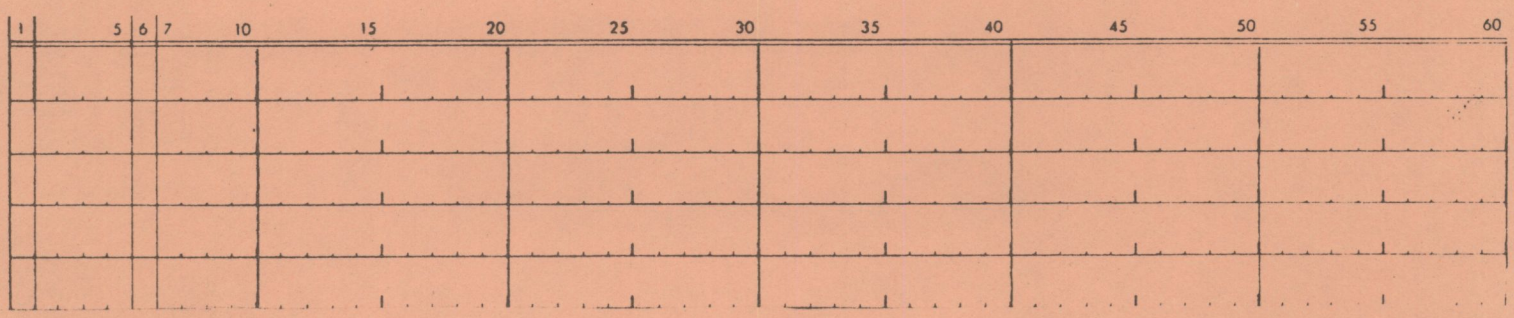
$$\frac{(x^3-3xy)\ \sqrt{x-y}}{x+y^2}+1$$

(6 pts) 3. Evaluate the following sequence of FORTRAN statements, given SØM=3.:

```
PART=(3.5-SØM/2.)**2-1.
EX  =(PART**2-2.*SØM)/3.+1.
K2R =(SØM/PART+1.)/(EX-1.)+1.5*PART
```

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

Card Columns	Description	Form	Variable name
3-11	Student ID	Integer	_____
20-37	Name	Alphanumeric	_____
38	Class code	Integer	_____
44-46	GPA	X.XX	_____

a) define variable names

b) write FØRTRAN statements necessary to read a card with given layout.