

K201-Quiz 2A
9/23/81

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

```

RAD.ØN=(PET-PAUL)**2/((RAD*ØN-1.)*5)-INPÜT)
    
```

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

$$\frac{(27KAPU-U)^2+5.5B}{A+\text{THETA}} - R^{2K}$$

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

```

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:

<u>Card columns</u>	<u>Description</u>	<u>Form</u>	<u>Variable name</u>
4-11	Item#	Integer	_____
31-40	Department	Alphanumeric	_____
41-45	Quantity	Integer	_____
48-53	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.