

FLORIDA HIGH SCHOOLS COMPUTING COMPETITION '81
JUDGING CRITERIA

1.1 INPUT: Enter number of heads: 5
Enter number of tails: 15

OUTPUT: PERCENT HEADS: 25
PERCENT TAILS: 75

1.2 INPUT: Enter number of sides: 12

OUTPUT: ANGLE=150

1.3 INPUT: Enter A, B, C, X: 4, 3, 2, 5

OUTPUT: $AX^2 + BX + C = 117$

1.4 INPUT: Enter original price \$: 46.00
Enter discount 1 percent: 10.4
Enter discount 2 percent: 5

OUTPUT: FINAL NET PRICE: \$39.16

1.5 INPUT: Enter X, Y: 7, -1

OUTPUT: QUADRANT: IV

INPUT: Enter X, Y: -9, 0

OUTPUT: LIES ON THE X-AXIS

2.1 INPUT: Enter a, b, c, d: 4, 5, 3, 20

OUTPUT: 19/20

2.2 INPUT: Enter point 1: 2, 2
Enter point 2: 3, 5
Enter point 3: 6, 7
Enter point 4: 5, 4

OUTPUT: **QUAD IS NOT EQUILATERAL**

INPUT: Enter point 1: 3, 5
Enter point 2: 1, 1
Enter point 3: 5, 3
Enter point 4: 7, 7

OUTPUT: **QUAD IS EQUILATERAL**

2.3 INPUT: Enter day, time: 2, 2100

OUTPUT: 20%

INPUT: Enter day, time: 5, 800

OUTPUT: **NO DISCOUNT**

2.4 INPUT: Enter A, B, C: 1, 2, 4
Enter D, E, F: 2, 4, 0

OUTPUT: **LINES ARE PARALLEL**

INPUT: Enter A, B, C: 1, 3, 6
Enter D, E, F: 2, 0, 6

OUTPUT: **LINES ARE NOT PARALLEL**

2.5 INPUT: Enter three integers: 12, 15, 8

OUTPUT: 120

3.1 INPUT: Enter numeral, base: 576, 5

OUTPUT: 4301

3.2 INPUT: Enter how many numbers: 12

Enter #: 4
Enter #: 7
Enter #: 9
Enter #: 10
Enter #: 2
Enter #: 3
Enter #: 7
Enter #: 10
Enter #: 9
Enter #: 7
Enter #: 1
Enter #: 9

OUTPUT: **MODE(S): 7 9**
NUMBER OF OCCURRENCES: 3

3.3 INPUT: Employee Number: 13

Regular rate of pay/hour \$: 4.50
Enter hours for M,T,W,R,F: 8, 12, 7, 9, 10

OUTPUT: **EMPLOYEE NUMBER: 13**
GROSS WEEKLY PAY: \$238.50

3.4 RUN PROGRAM:

Computer generates
tic-tac-toe board as
numbered:

```
 1 | 2 | 3  
-----  
 8 | 9 | 4  
-----  
 7 | 6 | 5
```

Play tic-tac-toe with
computer. It will move in
center square first.

Choose a number to make a
move. Numbers are
replaced by X or O.

3.5 INPUT: Enter number of employees: 3

Social Security No.: 013-42-6900
Name: **MAYE I. RETIRE**
Birthdate (Month and day): **JANUARY 20**
Birthdate (Year): **1915**

Social Security No.: 111-11-1111
Name: **RONALD REGAN**
Birthdate (Month and day): **APRIL 1**
Birthdate (Year): **1910**

Social Security No.: 222-22-2222
Name: **RICHARD NIXON**
Birthdate (Month and day): **JANUARY 30**
Birthdate (Year): **1916**

OUTPUT: **RETIRE WITHIN 1 YEARS**
 #111-11-1111 RONALD REGAN

RETIRE WITHIN 2 YEARS
 #111-11-1111 RONALD REGAN

RETIRE WITHIN 3 YEARS
 #111-11-1111 RONALD REGAN

RETIRE WITHIN 4 YEARS
 #111-11-1111 RONALD REGAN
 #013-42-6900 MAY I. RETIRE

RETIRE WITHIN 5 YEARS
 #111-11-1111 RONALD REGAN
 #013-42-6900 MAY I. RETIRE
 #222-22-2222 RICHARD NIXON