

Name: _____ Period: _____

Part II. Show all work for full credit. Show the change in the term number and change in the value number. Determine if the relation is linear or not. If it is linear then find the rate of change (slope), the y-intercept, and the function rule.

9.

Term	Value
1	-1
2	2
3	7
4	14
5	23
6	34

m = _____ y-int = _____

Rule: y = _____

10.

Term	Value
1	2
2	5
3	10
4	17
5	26
6	37

m = _____ y-int = _____

Rule: y = _____

11.

Term	Value
1	-1
2	5
3	15
4	29
5	47
6	69

m = _____ y-int = _____

Rule: y = _____

12.

Term	Value
1	6
2	12
3	22
4	36
5	54
6	76

m = _____ y-int = _____

Rule: y = _____

13.

Term	Value
-3	1
0	4
2	6
3	7
6	10
7	11

m = _____ y-int = _____

Rule: y = _____

*14.

Term	Value
-4	6
-2	4
1	1
2	0
3	-1
5	-3

m = _____ y-int = _____

Rule: y = _____

*15.

Term	Value
-6	-11
-2	-3
1	3
3	7
4	9
6	13

m = _____ y-int = _____

Rule: y = _____

*16.

Term	Value
-4	12
-2	8
1	2
2	0
3	-2
5	-6

m = _____ y-int = _____

Rule: y = _____

Math Models
 What's the Rule? WS - Part II

17.

Tickets	Cost
2	\$7
4	\$14
6	\$21
8	\$28

m = _____ y-int = _____

Rule: y = _____

18.

Hours	Distance
1	55 mi
3	165 mi
5	275 mi
7	385 mi

m = _____ y-int = _____

Rule: y = _____

19.

Hours	Pay
8	\$40
12	\$60
16	\$80
20	\$100

m = _____ y-int = _____

Rule: y = _____

20.

Cost	Change
\$10.00	\$0
\$9.00	\$1.00
\$7.50	\$2.50
\$5.00	\$5.00

m = _____ y-int = _____

Rule: y = _____