

Name: _____

Per: _____

POINTS: _____

Homework #11 Quiz

Be sure to include your work when appropriate.

Use finite differences to determine if each table represents an exponential function.

1.

x	y
0	2
1	6
2	18
3	54

Identify if each table represents an exponential function or not. If the table represents an exponential function, identify the common ratio.

2.

x	y
1	4
2	1
3	0.25
4	0.0625

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x	y
1	4
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Identify if each table represents an exponential function or not. If the table represents an exponential function, write the function relating the variables.

3.

x	y
0	0
1	4
2	32
3	108

Identify if each table represents an exponential function or not. If the table represents an exponential function, write the function relating the variables.

3.

x	y
0	0
1	4
2	32
3	108

4.

x	y
1	4500
2	6750
3	10,125
4	15,187.5

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1	4500
2	6750
3	10,125
4	15,187.5