_ Date: ______Period: ______

Features of Functions #4 Assignment

State the end behavior of the following functions. Remember that each function will have two end behavior statements.



4. Give the x and y intercepts for the function in #1.

5. Give the x and y intercepts for the function in #2.

6. Give the x and y intercepts for the function in #3.

7.

Domain:

Range:

Max:

Min:

Increasing:

Decreasing:

End Behavior:

X-intercept(s):

y-intercept(s):





The following represents a continuous function defined on the interval from [0, 6].

X	<i>f(x)</i>	
0	2	
1	-3	
2	0	
3	2	
4	6	
5	12	
6	20	

- 8. Determine the domain, range, x and y intercepts.
- 9. Based on the table, identify the minimum value and where it is located

The following represents a discrete function defined on the interval from [1,5].

X	<i>f(x)</i>
1	4
2	10
3	5
4	8
5	3

10. Determine the domain, range, x and y intercepts.

11. Based on the table, identify the minimum value and where it is located.

For each equation, sketch a graph and show key features of the graph.

12. f(x) = -2x + 4, when $x \ge 0$. Give the maximum and the minimum

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13. $g(x) = 3^x$ Give the domain and range. When is g(x) increasing and decreasing?

