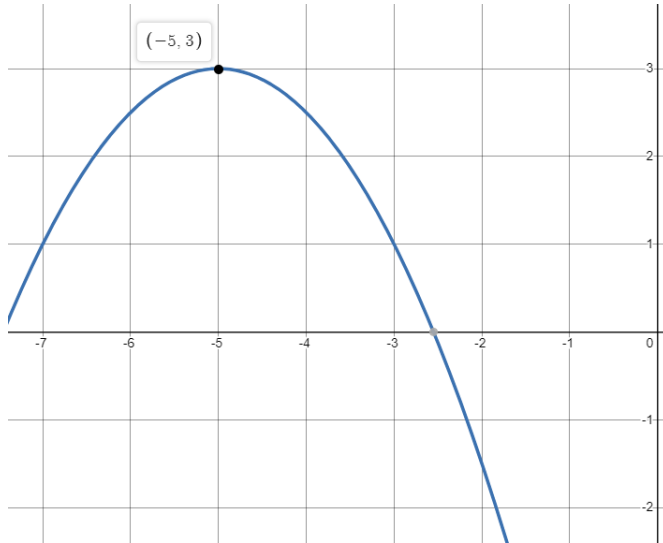


Algebra 2 | U3.7 Worksheet

Name: _____ Hour: _____

For the following graphs, state the intervals of increasing and decreasing.

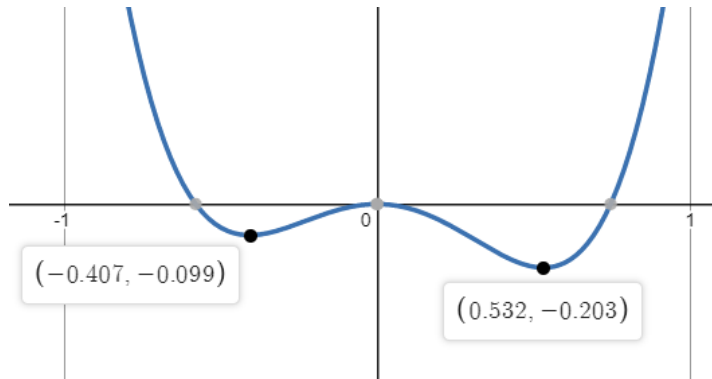
1.



Interval of Increasing:

Interval of Decreasing:

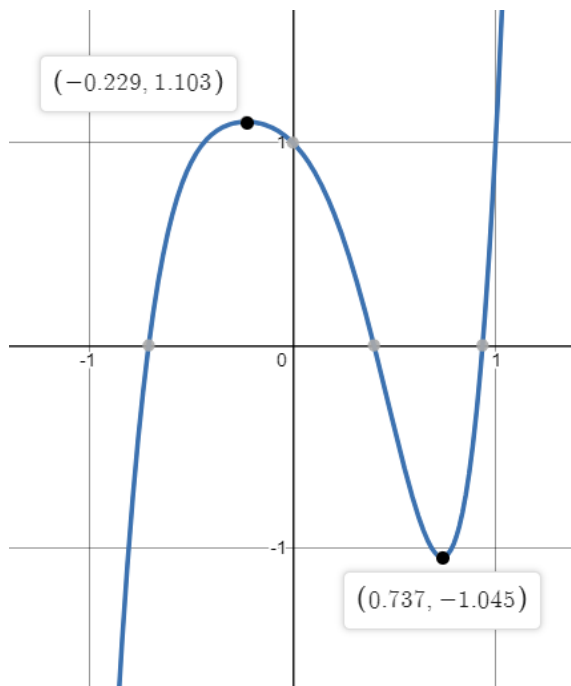
2.



Interval of Increasing:

Interval of Decreasing:

3.

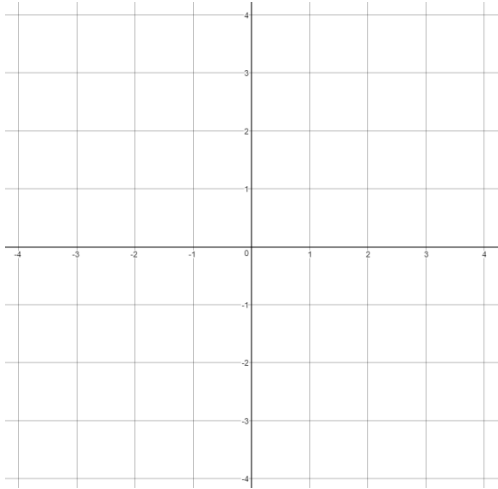


Interval of Increasing:

Interval of Decreasing:

Graph the following functions. Then state the domain/range and intervals of increasing/decreasing of the graph.

4. $y = 4^{x+3} - 1$



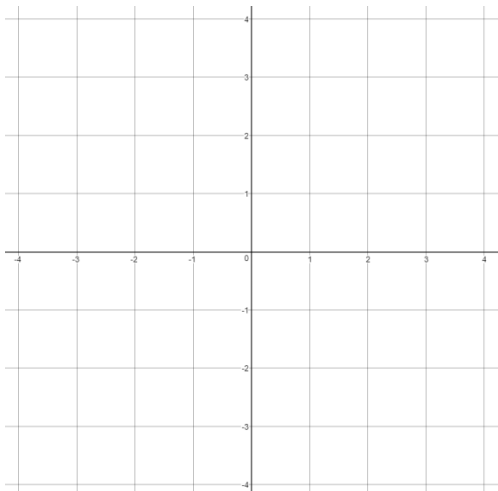
Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

5. $y = -(x - 1)^3 + 2$



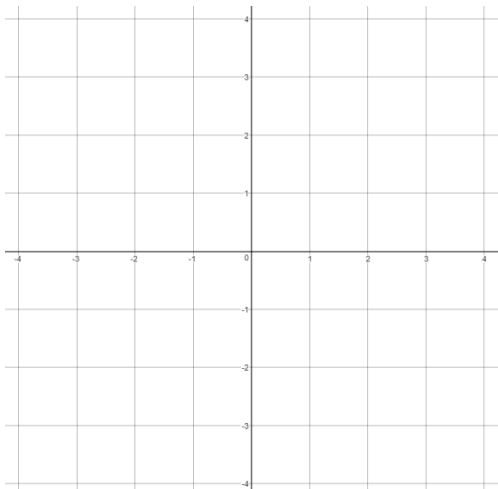
Domain: _____

Range: _____

Increasing: _____

Decreasing: _____

6. $y = \log_{\frac{1}{3}}(x) + 1$



Domain: _____

Range: _____

Increasing: _____

Decreasing: _____