2-4 Graphing Exponentials

I can graph exponential functions given an equation

I can identify key features from an equation or a graph

Complete the input-output table for each of the parent exponential functions below

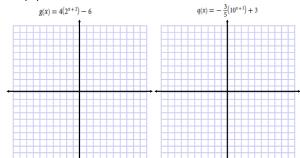
| the input-output table for each of the parent exponential functions belo | | | | |
|--|------------|--|----|-------------|
| x | $f(x)=2^x$ | | | $p(x)=10^x$ |
| -3 | | | -3 | |
| -2 | | | -2 | |
| -1 | | | -1 | |
| 0 | | | 0 | |
| 1 | | | 1 | |
| 2 | | | 2 | |
| 3 | | | 3 | |

Graph the parent functions $f(x) = 2^x$ and $g(x) = 10^x$ by plotting points

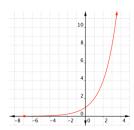


--Task--

 $\ensuremath{\textit{Graph}}$ each function and state the domain, range, y-intercept, and asymptote for each.



State the domain, range, y-intercept, asymptote, increasing, decreasing, and end behavior.



Domain:

Range:

Y-intercept:

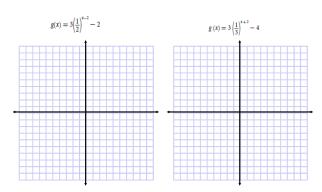
Horizontal Asymptote:

Increasing:

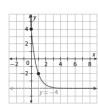
Decreasing:

End Behavior:

Graph each function and state the domain, range, y-intercept, and asymptote for each.



State the domain, range, y-intercept, asymptote, increasing, decreasing, and end behavior.



Domain:

Range:

Y-intercept:

Horizontal Asymptote:

Increasing:

Decreasing:

End Behavior: