

# Graphing Exponential Functions

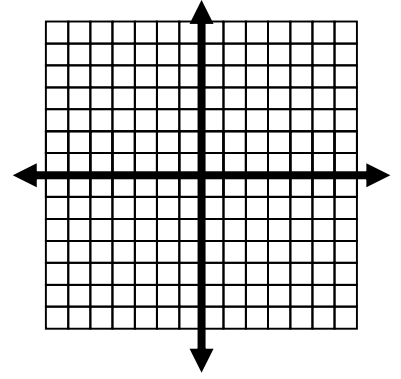
Name \_\_\_\_\_ Class Period \_\_\_\_\_

Use a table of values to graph the following exponential functions.

1.  $y = 2^x$

Asymptote \_\_\_\_\_

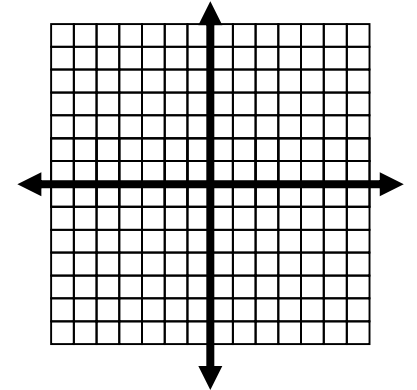
Growth or Decay



2.  $y = 2^x - 4$

Asymptote \_\_\_\_\_

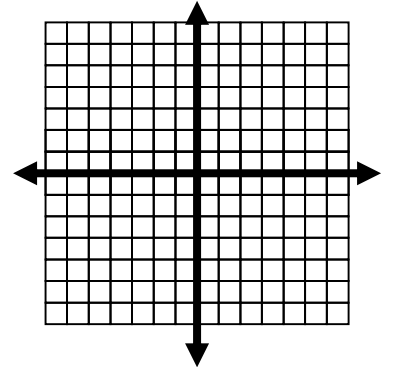
Growth or Decay



3.  $y = 3^x + 1$

Asymptote \_\_\_\_\_

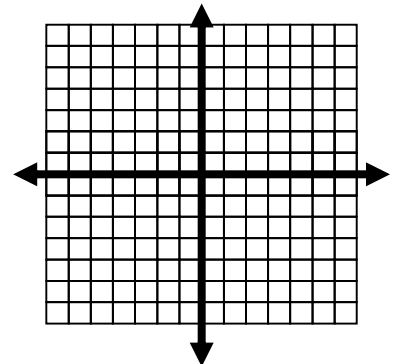
Growth or Decay



4.  $y = 2^{x+3}$

Asymptote \_\_\_\_\_

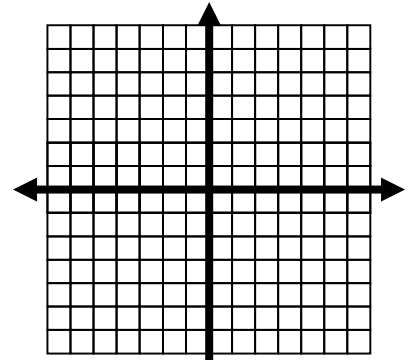
Growth or Decay



5.  $y = 4(2)^x$

Asymptote \_\_\_\_\_

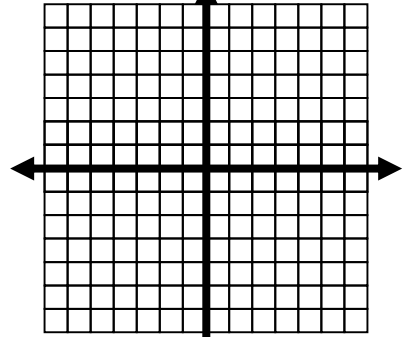
Growth or Decay



6.  $y = 3(2)^{x+2} - 6$

Asymptote \_\_\_\_\_

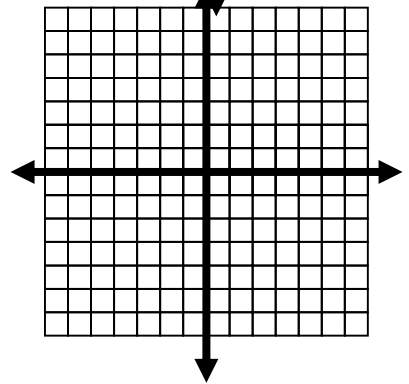
Growth or Decay



7.  $y = 4\left(\frac{1}{2}\right)^x$

Asymptote \_\_\_\_\_

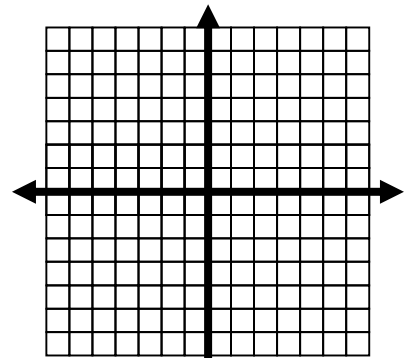
Growth or Decay



8.  $y = 4\left(\frac{1}{2}\right)^{x-1} - 3$

Asymptote \_\_\_\_\_

Growth or Decay



9.  $y = -2^x + 5$

Asymptote \_\_\_\_\_

Growth or Decay

