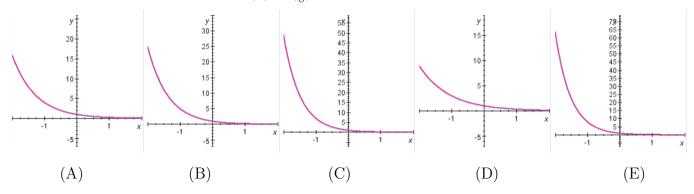
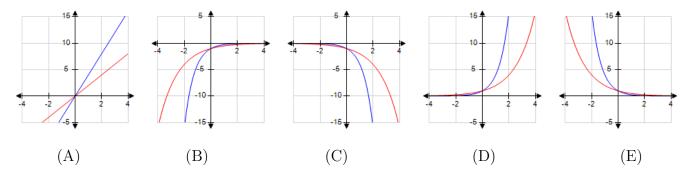
Worksheet: Graphs of exponential functions

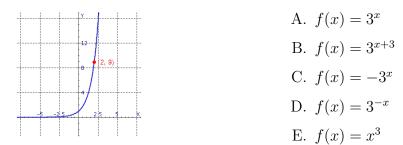
1. Select the graph for the function $f(x) = (\frac{1}{8})^x$



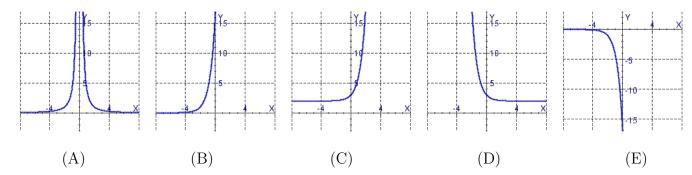
2. Identify the graphs of the functions $y = 2^x$ and $y = 4^x$



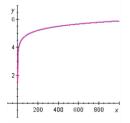
3. Find the exponential function $f(x) = a^x$ whose graph is given.

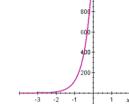


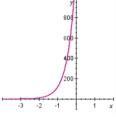
4. Determine the graph of the function $y = 4^{x+2}$

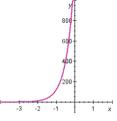


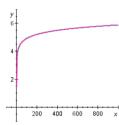
5. Determine the graph of the function $f(x) = 11^{x+3}$



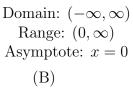


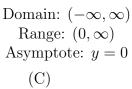


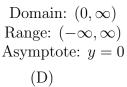


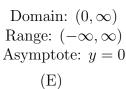


Domain: $(-\infty, \infty)$ Range: $(0, \infty)$ Asymptote: y = 0(A)

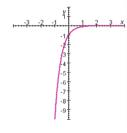




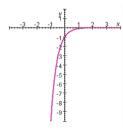


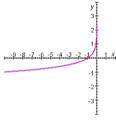


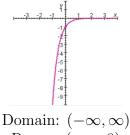
6. Determine the graph of the function $f(x) = -(\frac{1}{10})^x$











Domain: $(-\infty, \infty)$ Range: $(-\infty, 0)$ Asymptote: x = 0

(A)

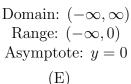
Domain: $(-\infty, 0)$ Range: $(-\infty, \infty)$ Asymptote: x = 0

(B)

Domain: $(-\infty, 0)$ Range: $(-\infty, \infty)$ Asymptote: x = 0

(C)

Domain: $(-\infty, 0)$ Range: $(-\infty, \infty)$ Asymptote: y = 0(D)



7. Based on the given graph of $f(x) = 3^x$, graph $g(x) = 3^{-x}$ and $h(x) = 3^{x-1} + 1$

