

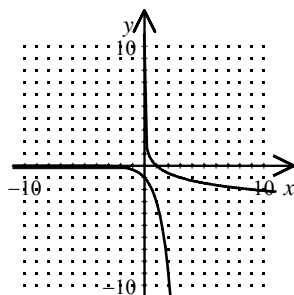
NAME: \_\_\_\_\_

*P.I. A2.A.54: Graph logarithmic functions, using the inverse of the related exponential function*

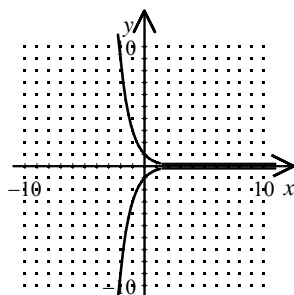
Graph the pair of functions on the same axes.

1.  $y = 3^x$ ,  $y = \log_3 x$

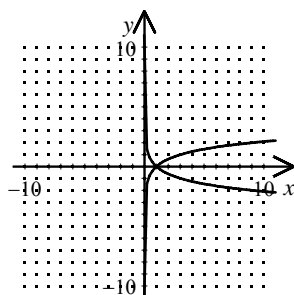
[A]



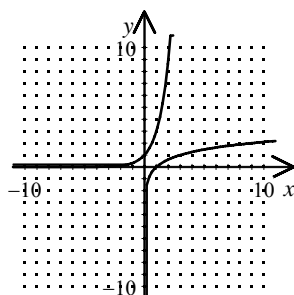
[B]



[C]

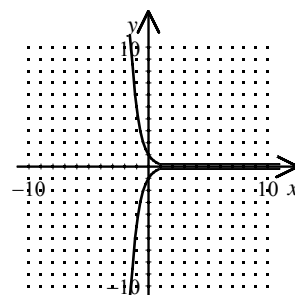


[D]

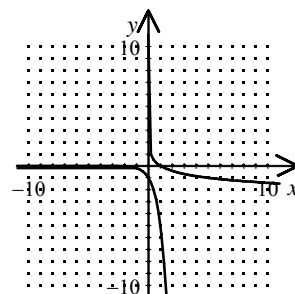


2.  $y = 5^x$ ,  $y = \log_5 x$

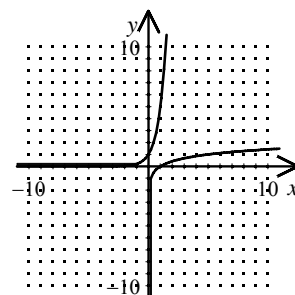
[A]



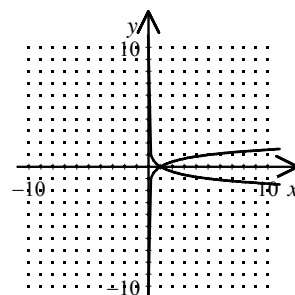
[B]



[C]



[D]



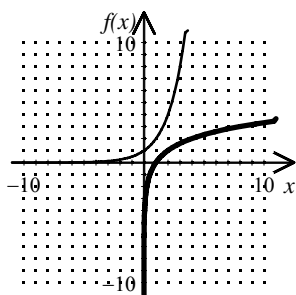
[2] \_\_\_\_\_

[1] \_\_\_\_\_

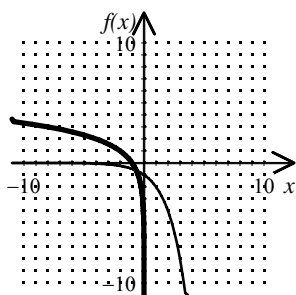
NAME: \_\_\_\_\_

3. Graph  $f(x) = 2^x$  and its inverse on the same grid.

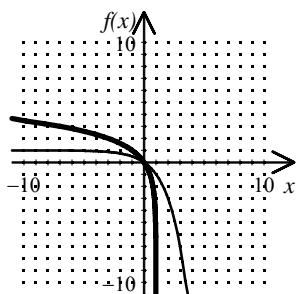
[A]



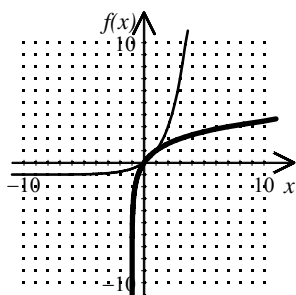
[B]



[C]

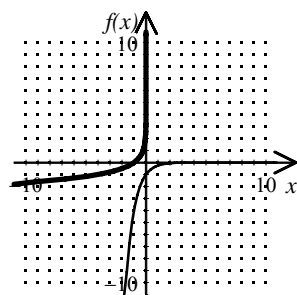


[D]

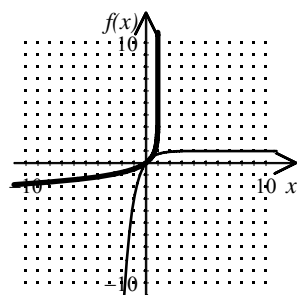


4. Graph  $f(x) = (1/4)^x$  and its inverse on the same grid.

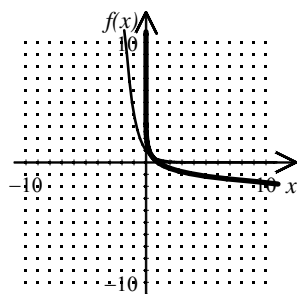
[A]



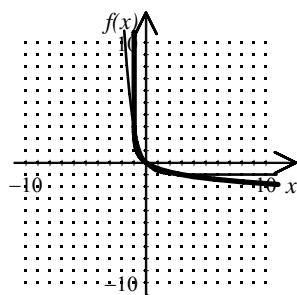
[B]



[C]



[D]



[3] \_\_\_\_\_

[4] \_\_\_\_\_

[1] D

[2] C

[3] A

[4] C