

Exponential Functions
03/01/2012

Student Name: _____

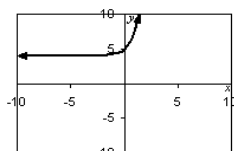
Class: _____

Date: _____

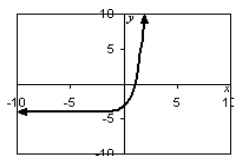
Instructions: Read each question carefully and select the correct answer.

1. _____

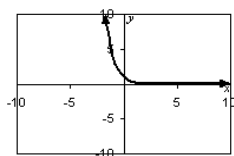
A.



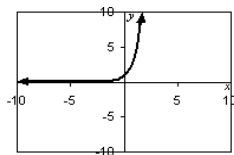
B.



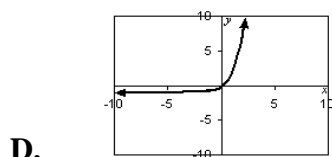
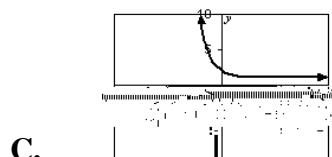
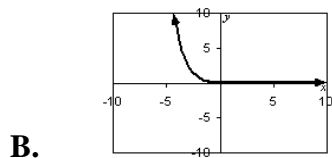
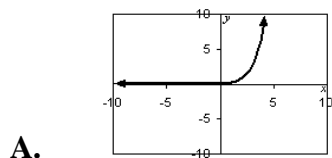
C.



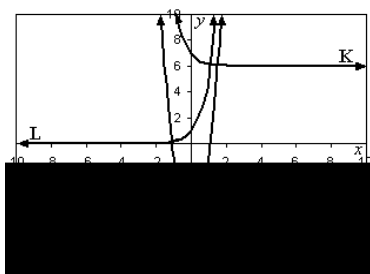
D.



2. Which graph represents the exponential function $y = 0.1(3)^{-x}$?



3. Which graph represents the exponential function $y = 5^{-x} + 6$?



- A. J
- B. K
- C. L
- D. M

4. Compare the graph of $f(x) = 2^x$ and the graph of $g(x) = 2^{x+5} + 5$.

- A. $g(x)$ shifts 5 units to the right and 5 units up from $f(x)$
- B. $g(x)$ shifts 5 units to the left and 5 units up from $f(x)$