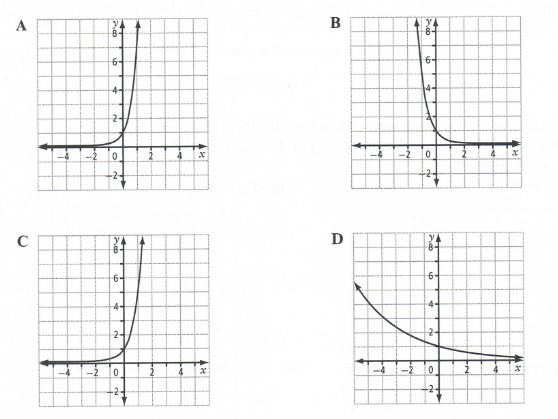
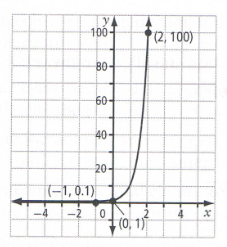
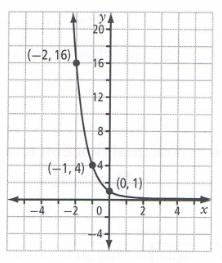
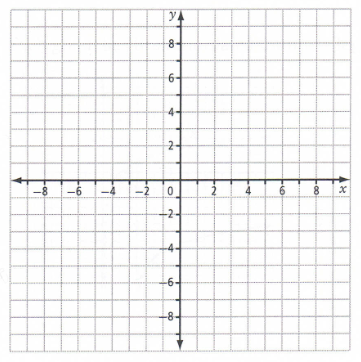
QUIZ 7&8 – Part I

1. Determine if the following functions are exponential functions or not.

|  |  |  |  |
| --- | --- | --- | --- |
| | | | | | | | |

1. Which function corresponds to which graph?   
     
   \_\_\_\_ a) \_\_\_\_ b) \_\_\_\_ c) \_\_\_\_ d)   
     
   **
2. Determine the list of transformations applied to basic exponential functions to get the following :  
   a)   
     
     
     
     
     
   b)
3. The determine the equations of the following graphs :  
   ** 
4. Graph and .   
   Determine their Domain and Range, if they are increasing or decreasing, their *y*-intercept and the equation of their asymptote if any.   
     
   
5. Rewrite in logarithmic form:  
     
   a)   
     
   b)   
     
   c)
6. Rewrite in Exponential form:  
     
   a)   
     
   b)   
     
   c)   
     
   d)
7. Evaluate:  
     
   a)   
     
   b)   
     
   c)   
     
   d) =  
     
   e) =
8. Determine the exact value of for the following equations:  
     
   a)   
     
     
   b)   
     
     
   c) = 4  
     
     
   d)
9. a) Graph and on the same plane  
     
   **  
   b) Determine the Domain and Range, the *x*- and *y*-intercepts and asymptotes of :
10. Determine the transformations, in the right order to transform into the following functions:  
    a)   
       
    Which base function is transformed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
      
      
      
      
      
      
      
    b)   
       
    Which base function is transformed? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_