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? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_