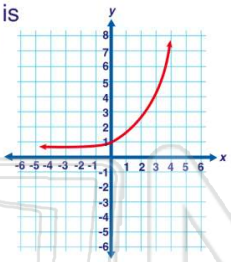
Functions

Math

Name_____ Class_____ Date_____

1 The graph shown is an example of an **exponential function**.

True or false?



A true
B false

2 Which is not an **exponential function**?

A $y = 3^x$
B $y = 2^x + 1$
C $y = x^2 + 5$
D $y = .5^x - 6$

3 What are the ***y*-values** for the **exponential function**, $y = (\frac{1}{3})^x$, when ***x*** is **0**, **1**, **2**?

4 This graph **represents** _____.

A a linear function
B an exponential

PREVIEW

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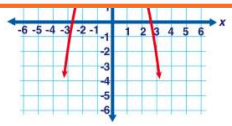
5

7

function
C a quadratic function
D a function rule



D $y = 2^x + 6$

9 What are the ***y*-values** for the quadratic function, $y = x^2 + x + 4$, when the ***x*-values** are **-2**, **0**, **2**?

A 10, 4, 10
B 6, 4, 10
C -2, 4, 10
D -2, 0, 10

10 What are the ***y*-values** for the quadratic function, $y = x^2 - 6$, when the ***x*-values** are **-1**, **0**, **1**?

A -5, -6, -5
B -7, -6, -5
C 7, 6, 7
D -5, -6, -7

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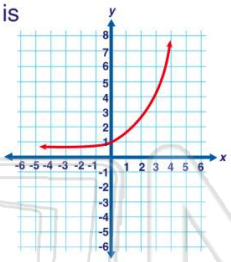
1 The graph shown is an example of an **exponential function**.

True or false?



A true
B false

A

2 Which is not an **exponential function**?

A $y = 3^x$
B $y = 2^x + 1$
C $y = x^2 + 5$
D $y = .5^x - 6$

C

3 What are the ***y*-values** for the **exponential function**, $y = (\frac{1}{3})^x$, when x is 0, 1, 2?

D

4 This graph **represents** _____.

A a linear function
B an exponential

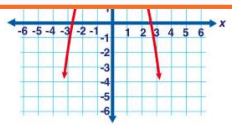
B

5

A

7

function
C a quadratic function
D a function rule



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D

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A 10, 4, 10
B 6, 4, 10
C -2, 4, 10
D -2, 0, 10

B

10 What are the ***y*-values** for the quadratic function, $y = x^2 - 6$, when the ***x*-values** are -1, 0, 1?

A -5, -6, -5
B -7, -6, -5
C 7, 6, 7
D -5, -6, -7

A