Nonlinear Functions and Set Theory

Math

Name_____ Class_____ Date_____

1 The graph shown is what type of **function**?

A linear
B nonlinear
C exponential
D zero function

2 The graph shown is what type of **function**?

A linear
B nonlinear
C exponential
D zero function

3 The graph shown is what type of **function**?

A linear
B nonlinear

4 The equation, $y = 2^x$, is an example of an equation for a **parabola**.

True or false?

5

7

A $y = 7x - 2$
B $y = -5x$
C $y = 3$
D $y = -x^2 + 5x$

A $y = x^2 + 2x + 20$
B $y = 20x + 2$
C $y = 20 + 2x$
D $y = 20^{2x}$

9 What are the **y-values** for the equation, $y = x^2 + 3x - 1$ for the **x-values** of **3**, **6**, and **9**?

A 17, 53, 107
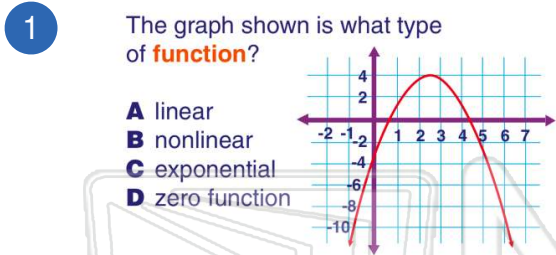B -1, 17, 53
C 18, 54, 108
D 0, 18, 54

$y = x^2 + 3x - 1$

10 What are the **y-values** for the equation, $y = 4^x$, when the **x-values** are **0**, **1**, **2**?
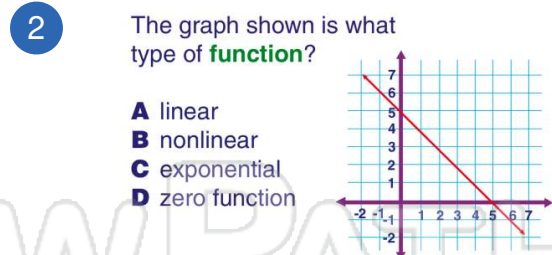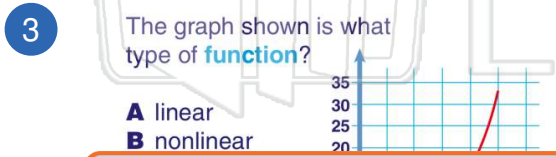
A 0, 4, 8
B 1, 4, 8
C 1, 4, 16
D 0, 4, 16

$y = 4^x$

Name_____ Class_____ Date_____

1 The graph shown is what type of **function**?

A linear
B nonlinear
C exponential
D zero function

Ⓑ

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A linear
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Ⓐ

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Ⓒ

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True or false?

Ⓑ

5

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PREVIEW

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7

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$y = 4^x$

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