LOGARITHMS AND FUNCTIONS

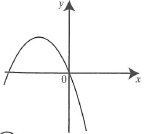
<\_\_\_question>

Type=1

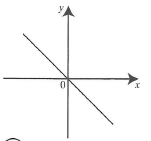
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Which of these graphs does **not** represent a function ?

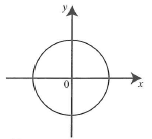
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[A] 

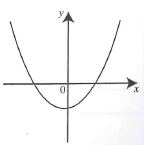
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[B] 

<\_block>

[C] 

<\_block>

[D] 

<\_block>

[C]

<\_\_\_question>

Type=1

<\_block>

If log, *4 = 0.712*, which of these is equal to log*,* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[D]

<\_\_\_question>

Type=1

<\_block>

Which of these is equal to (2**⁴**)² ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]

<\_\_\_question>

Type=1

<\_block>

If *y = 2x² - 8*, what is the value of positive *x* when *y = 0* ?

<\_block>

[A] 2

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[A]

<\_\_\_question>

Type=1

<\_block>

What is the solution of the equation 1.005ᶰ = 1.897, correct to three significant figures?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[D]

<\_\_\_question>

Which of these is the point of intersection of *y = x* and the inverse function of *y = 2x – 1* ?

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[A]

<\_\_\_question>

Type=1

<\_block>

Between which two numbers is the value of *3⁵ ?*

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

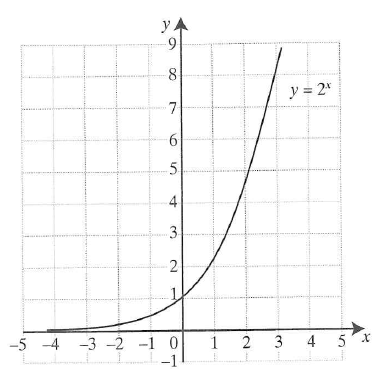
[C]

<\_\_\_question>

Type=1

<\_block>

The graph of y = 2 ͯis shown on the number plane. What is the value of *x = 3 ?*

**

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[C]

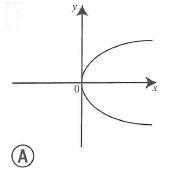
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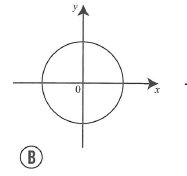
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Which of these curves is cut at most once when a vertical line is drawn through it *?*

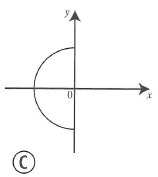
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[A] 

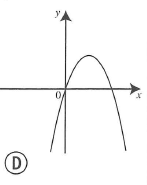
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[B] 

<\_block>

[C]

<\_block>

[D]

<\_block>

[D]

<\_\_\_question>

Type=1

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If which of these is the value of *x ?*

<\_block>

[A]

<\_block>

[B]

<\_block>

[C]

<\_block>

[D]

<\_block>

[B]