

Question # 1 of 10 (Start time: 07:01:57 AM, 01 June 2022)

Total Marks: 1

 $\gcd(12, -18) = \underline{\hspace{2cm}}$

Select the correct option

[Reload Math Equations](#)

-6



6



-3



3

[Click to Save Answer & Move to Next Question](#)

Question # 5 of 10 (Start time: 07:04:35 AM, 01 June 2022)

Total Marks: 1

Number of elements in power set of a set $\{1,2,3,4\}$ is _____.

Select the correct option

[Reload Math Equations](#)

none of these



8



16



4

[Click to Save Answer & Move to Next Question](#)

Given statement is true.



MTH104 - Sets and Logic (Quiz # 1)

Question # 3 of 10 (Start time: 11:24:40 AM, 11 December 2021)

Cardinality of set $\{[a,b]\}$ is _____.

Select the correct option



none of these



2



1



0

MTH104 - Sets and Logic (Quiz # 1)

Question # 4 of 10 (Start time: 11:24:43 AM, 11 December 2021)

If p is a prime number and $p \mid a$, then $\gcd(p, a) =$ _____.

Select the correct option



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Time Left 81 sec

MTH104: Quiz No. 1

Quiz Start Time: 01:03 PM, 01 June 2022

Question 1 of 10 (Start time: 01:03:14 PM, 01 June 2022)

Total M

Cardinality of set $\{(a,b)\}$ is _____

Select the correct option

Reload Math Equ



0



2



1



none of these

Click on Give Answer & Knows Answer Question

Question # 2 of 10 (Start time: 07:02:55 AM, 01 June 2022)

Total Marks: 1

Which of the following set is bounded?

Select the correct option

[Reload Math Equations](#) $B = \{x : x < 3\}$  $A = \{x : x > 2\}$ 

none

 $C = \{3, 4, 5\}$ [Click to Save Answer & Move to Next Question](#)

Question # 4 of 10 (Start time: 07:04:25 AM, 01 June 2022)

Total Marks: 1

Sets are generally represented by small letters.

Select the correct option

[Reload Math Equations](#)

False



True

[Click to Save Answer & Move to Next Question](#)

Question # 3 of 10 (Start time: 07:03:17 AM, 01 June 2022)

Total Marks: 1

Let A be a set of real numbers. If for every $x \in A$, $|x| \leq M$, where M is a real number, then _____.

Select the correct option

[Reload Math Equations](#)☐ A is unbounded☒ A is bounded Saving...

The interval satisfying the inequality $|x| \leq 3$ is

Mth104 quiz (1)...



Select the correct option

- | | |
|----------------------------------|----------|
| ☐ | none |
| ☒ | $(-3,3)$ |
| ☐ | $[-3,3]$ |
| ☐ | $[-3,3)$ |

MTH104 - Sets and Logic (Quiz # 1)

Question # 8 of 10 (Start time: 11:00:17 AM, 11 December 2021)

Let A be a set of real numbers. If for every $x \in A$, $|x| \leq M$, where M is a real number, then _____

Select the correct option

- | | |
|----------------------------------|------------------|
| ☒ | A is bounded |
| ☐ | A is unbounded |

MTH104 - Sets and Logic (Quiz # 1)

Question # 9 of 10 (Start time: 11:01:40 AM, 11 December 2021)

if $A = \{1,2,3\}$ and $B = \{3,4,5\}$ then $A \cap B$ is _____

Question # 10 of 10 (Start time: 07:07:37 AM, 01 June 2022)

Total Marks: 1

Let a and b be real numbers. Then $|a \pm b| \geq ||a| - |b||$.

Select the correct option

[Reload Math Equations](#)

False



True

 [Click to Save Answer & Move to Next Question](#)