

CANDIDATE

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TEST

Quiz 1

Subject code	
Evaluation type	
Test opening time	14.02.2024 07:00
End time	21.02.2024 07:00
Grade deadline	
PDF created	13.08.2024 06:30

Threshold

Question	Status	Marks	Question type
1.1	Correct	1/1	Numeric Entry
1.2	Correct	1/1	Multiple Response
1.3	Correct	1/1	Multiple Response
1.4	Correct	1/1	Multiple Response
1.5	Correct	1/1	Numeric Entry

Mastery

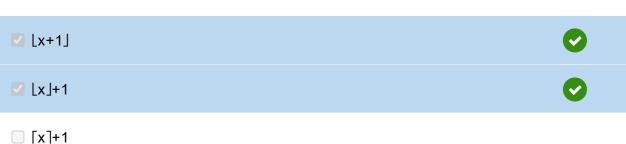
Question	Status	Marks	Question type
2.1	Correct	1/1	True / False
2.2	Correct	1/1	Multiple Response
2.3	Correct	1/1	Multiple Response
2.4	Partially Correct	0.6000000238418579/1	Multiple Response
2.5	Partially Correct	0.20000000298023224/1	Multiple Response

How many integers between -101 and 1001 (inclusive) are divisible by 3?: 367

- **1.2** Which of the following will give:
 - x+1 if x is an integer, and
 - The smallest integer greater than x if x is not an integer.

Select all that apply:

- 2-[1-x]



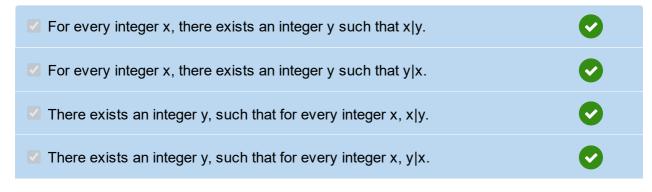
2-「1-x]

1.3 Which of the following is true for all real numbers x? Select all that apply:



1.4 Which of the following propositions are true?

Select all that apply:



- None of the above
- 1.5 What is gcd(286,396)? 22
- **2.1** True or False:

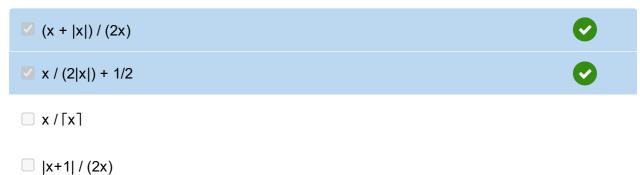
For all positive integers m,n and all integers a,b if $a=_{(m)}b$ and $a=_{(n)}b$ then $a=_{(mn)}b$



True

- **2.2** Which of the following will give:
 - 1 if x>0, and
 - 0 if x<0

Select all that apply:



- _ x |x|
- 2.3 Suppose x,y and z are arbitrary integers such that x|y and y|z.
 Which of the following are always true (i.e. true for any such x, y, z)?
 Select all that apply:

✓ x y+z	⊘
x+y y+z	
✓ x yz	•
xy z	
✓ xy yz	•
x+v z	

2.4 Let m, n and k be arbitrary integers, with k≥1 and n<m.

Which of the following counts the number of multiples of k between n (exclusive) and m (exclusive)?

Select all that apply:



2.5 Which of the following hold for all real numbers x and y?

Select all that apply:

$ xy \ge x \cdot y $	~
$ x+y \ge x + y $	
$[xy] \ge [x] \cdot [y]$	8
<pre></pre>	•