**Answer: 2**

c. The General Formula of

is

**Its General Term is**

**,**

It is neither and

For identifying the sequence we have

Proceeding in this way we have obtained the result that

is not a or



For arithmetic progression common retro must be equal, & same thing for

So, So the sequence is

**Difference**

& 1ommon is, for not two terms

As, The General Term of is r is Common ratio is a common ratio &

So,

Since both are equal with same base

**Ans: 2**

Here

1

2

Substrate 2 from 1

For a put in eq = 2

**Ans-3**

**Sal:- Here**

Sequenceconvergent

Answer: 2,2,1

**Solution:-** As, Sequence is

A,-4, 9,-16………….

Since the sequence is

So, nth term will be

**Answer: 2 i**

P(i):

Assuring true for

**Answer: 2 J**

**Solution:**

So, For Remainder

Theorem

Reminder is

is a reminder

**Answer: 3**

**Solution: - a**

1. Since

From (i)

(3)

(2)

(4)

Statement is true

**ii. Here**

(1) for Some mEN

(2) for Some pEN

Add 1 & 2

The Statement is ture

**(iii)**

The General Term will be

Statement is true

**Answer: 3 , 6**

**Solution**

**Answer**

**Answer 3, C**

**Solution By definition of multiplication converse**

**Answer 3,9**

**Solution By definition we have**

**Answer**

**Answer 4**

1. **Solution (i) Here**

**By Cosine Law**

**Ans**

**ii. By Sine Law**

**For SinB**

**Answer**

**Ans 4 , 6**

Solution As we have C=2

As to Tangle have degree

So,

By Sine’s Law

From eq= (i)

**Answer**

**Answer 4 , 6**

Solution Here

Since Triangle is right angled

So, By Pythagorean’s theorem

For angle cc using law of cosine

**Answer: 4 a**

Solution



-

For continuity

**Ans 5**

Solution:

a.

1. Is injective

Case (i)

Here are both odd assuring

Case 2

**Ans 5,6**

-

**Ans 5**

**Solution**

So, for arrange acceleration

**Ans : 5 a**

We have equation for uniform acceleration