Gujarat Board - X Mathematics (Standard) 2022-23

Maximum Marks: **80**
Time allowed: **3 Hours**

Instructions:

1) Write in a clear legible handwriting.

2) This question paper has four Sections A, B, C & D and Question Numbers from 1 to 39.

3) All Sections are compulsory. General options are given.

4) The numbers to the right represent the marks of the question.

5) Draw neat diagrams wherever necessary.

6) New sections should be written in a new page. Write the answers in numerical order.

7) Calculator is not allowed.

Section A

- Answer the following as directed. (1 to 16) (1 mark each)   [16]
  State whether the following statements are true or false.

1) $8\sec^2\theta - 8\tan^2\theta = 8$ [1]
Answer: True

Explanation:
$8\sec^2\theta - 8\tan^2\theta$
$= 8(\sec^2\theta - \tan^2\theta)$
$= 8(1)$
$= 8$

2) $7\times11\times13 + 13$ is a prime number.   [1]

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I.S. Chawla

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