



CERTIFIED TUTOR

FOR CLASS 10 TUITION

Deepashree

Has successfully completed the requirement set by
'UrbanPro Tutor Academy' to be recognized as
UrbanPro Certified Tutor.



VALID DATE: 24 Nov 2024
URBANPRO TUTOR ACADEMY

Rakesh Kalra

RAKESH KALRA
Founder & CEO



Maths

Trigonometry

$$\begin{aligned}
 & (\sec A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 + \tan^2 A + \cot^2 A \\
 \text{H.S.} &= (\sec A + \operatorname{cosec} A)^2 + (\cos A + \sec A)^2 \\
 &= \sec^2 A + 2 \sec A \operatorname{cosec} A + \operatorname{cosec}^2 A + \cos^2 A + 2 \cos A \sec A \\
 &\quad + \sec^2 A \\
 &= \sec^2 A + 2 \operatorname{cosec} A \cdot \frac{1}{\sec A} + \operatorname{cosec}^2 A + \cos^2 A + 2 \cos A \cdot \frac{1}{\cos A} \\
 &\quad + \sec^2 A \\
 &= 1 + 2 + \operatorname{cosec}^2 A + 2 + \sec^2 A + (\sin^2 A + \cos^2 A) \\
 &= 5 + (1 + \cot^2 A) + (1 + \tan^2 A) \\
 &= 5 + 1 + \cot^2 A + 1 + \tan^2 A \quad (\because \cot^2 A = \operatorname{cosec}^2 A - 1) \\
 &= 7 + \tan^2 A + \cot^2 A \quad (\because \tan^2 A = \sec^2 A - 1)
 \end{aligned}$$

epashree .

mahir

5* Magnetic effects of Electric current

Properties



1. Magnet have two poles namely North & South
2. Magnetic power will be more at the poles.
3. Freely suspended magnet will come to the North position.

Deepashree.

Rakesh Kumar Gupta

Congratulations!



Super Tutor

Dear Deepashree,

Congratulations!!

