

**Subject - Math AA(Standard Level)**  
**Topic - Geometry and Trigonometry**  
**Year - May 2021 - Nov 2022**  
**Paper -1**  
**Questions**

**Question 1**

[Maximum mark: 5]

The following diagram shows triangle ABC, with  $AB = 6$  and  $AC = 8$ .

diagram not to scale



- (a) Given that  $\cos A = \frac{5}{6}$ , find the value of  $\sin A$ . [3]
- (b) Find the area of triangle ABC. [2]

**Question 2**

[Maximum mark: 8]

- (a) Show that  $\sin 2x + \cos 2x = 1 - 2 \sin x (\cos x - \sin x)$ . [2]
- (b) Hence or otherwise, solve  $\sin 2x + \cos 2x = 1 + \cos x - \sin x = 0$  for  $0 < x < 2\pi$ . [6]

# Math Sl Paper May 2009

**F Rizvi**



**Math SI Paper May 2009:**

## **Math Sl Paper May 2009** Book Review: Unveiling the Magic of Language

In an electronic era where connections and knowledge reign supreme, the enchanting power of language has be more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Math Sl Paper May 2009**," compiled by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve in to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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