

## Mathematics - FSC Part 1 Mathematics Short Questions Chapter 9 Preparation

Q1. What is angle in standard position ?

**Ans 1:** An angle is said to be in standard position if its vertex lies at the origin of a rectangular coordinate system and its initial side along the positive x-axis.

Q2.

**Ans 1:**

Q3.

**Ans 1:**

Q4.

**Ans 1:**

Q5.

**Ans 1:**

Q6.

**Ans 1:**

Q7.

**Ans 1:**

Q8. What are fundamental identities in trigonometry ?

**Ans 1:** For any real number  $\Theta$ , there are three fundamental identities:

i.  $\sin^2\Theta + \cos^2\Theta = 1$

ii.  $1 + \tan^2\Theta = \sec^2\Theta$

iii.  $1 + \cot^2\Theta = \csc^2\Theta$

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Q9. What is a radian ?

**Ans 1:** An angle subtended at the center of the circle by an arc of length equal to the radius of the circle is called radian.

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Q10.

**Ans 1:**

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