

11th Class FSC Mathematics Chapter 10 Test Online

Sr	Questions	Answers Choice
1	$\sin(\Theta - \pi) =$	
2	$-2 \sin \alpha \sin \beta =$	A. $\sin(\alpha + \beta) + \sin(\alpha - \beta)$ B. $\cos(\alpha + \beta) + \cos(\alpha - \beta)$ C. $\cos(\alpha + \beta) - \cos(\alpha - \beta)$ D. $\cos(\alpha - \beta) + \cos(\alpha - \beta)$
3	If an angle α is allied to an angle β , then $\alpha \pm \beta =$ _____ :	A. 90° B. multiple of 90° C. 180° D. multiple of 180°
4	Question Image	
5	$\tan(\alpha - \beta) =$	
6	If $\sin \alpha = \cos \beta$ in any triangle ABC then:	A. $\alpha + \beta = 90^\circ$ B. $\alpha + \beta = 180^\circ$ C. $\alpha + \beta = 360^\circ$ D. $\alpha + \beta$
7	Question Image	
8	$2 \cos \alpha \cos \beta =$	A. $\sin(\alpha + \beta) - \sin(\alpha - \beta)$ B. $\cos(\alpha + \beta) - \cos(\alpha - \beta)$ C. $\cos(\alpha + \beta) + \cos(\alpha - \beta)$ D. $\sin(\alpha + \beta) + \sin(\alpha - \beta)$
9	$\csc(2\pi - \Theta)$, where Θ is a basic angle, will have terminal side in:	A. quad. I B. quad. II C. quad. III D. quad. IV
10	Question Image	
11	A reference angle Θ is always:	
12	Question Image	
13	$\cos(\alpha - \beta) =$	A. $\cos \alpha \cos \beta + \sin \alpha \sin \beta$ B. $\cos \alpha \cos \beta - \sin \alpha \sin \beta$ C. $\cos \alpha \cos \beta + \sin \alpha \cos \beta$ D. $\sin \alpha \cos \beta - \sin \alpha \sin \beta$
14	$\tan(\alpha + \beta) =$	
15	The distance between the points $P(x_1, y_1)$ and $Q(x_2, y_2)$ is:	
16	Question Image	A. $-\cot \Theta$ B. $-\tan \Theta$ C. $\tan \Theta$ D. none of these
17	Question Image	A. quad I B. quad. II C. quad. III D. quad. IV
18	$\cot 1^\circ, \cot 2^\circ, \cot 3^\circ, \dots, \cot 89^\circ =$	A. -1 B. 1 C. ∞ D. none
19	$\sin(\alpha + \beta) =$	
20	Question Image	A. $1 + \cos \Theta$ B. $1 - \cos \Theta$