

ECAT Mathematics Chapter 12 Trigonometric Functions and Identities Online Test

Sr	Questions	Answers Choice
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24	In any triangle ABC,with usual notation $\alpha sin \beta =;$	A. b $\sin\alpha$ B. $b\sin\beta$ C. $\alpha\sin\alpha$ D. None of these
25	The law of cosines reduces to a2 +c2 =b2 for	A. $\alpha = 90^{\circ}$ B. $\beta = 90^{\circ}$ C. $\gamma = 90^{\circ}$ D. $\alpha + \beta + \gamma = 180^{\circ}$
26	If ΔABC is right triangle then the law of Cosines reduces to	A. The Pythagoras Theorem B. The law of Sines C. The law of cosines D. The law of tangents
27	With usual notations b2 = a2 + c2 -2ac cos is called;	A. None of these B. Law of sines C. Law of consines D. Law of tangents
28	cos 3a =;	A. 3sin a - 4sin3 a B. 4sin a - 3sin3 a C. 3cos3 a - 4cos a

		D. 4cos3a - 3cos a
		A. 3sin a - 4sin3a
29	sin 3a =;	B. 4sin a -3 sin3 a
29		C. 3 cos3 a -cosa
		D. 4cos3 a - 3cos a
	2cos2 a/2 =;	A. 1+sina
20		B. 1-sina
30		C. 1+cosa
		D. 1-cosa