

Mathematics ECAT Pre Engineering 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 sinα B. bsinβ C. αsinα 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 TheoremB. The law of SinesC. The law of cosinesD. 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
		A. 3sin a - 4sin3 a

28	cos 3a =;	B. 4sin a - 3sin3 a C. 3cos3 a - 4cos a D. 4cos3a - 3cos a
29	sin 3a =;	A. 3sin a - 4sin3a B. 4sin a -3 sin3 a C. 3 cos3 a -cosa D. 4cos3 a - 3cos a
30	2cos2 a/2 =;	A. 1+sina B. 1-sina C. 1+cosa D. 1-cosa
31	cos2a=;	A. cos2 a-sin2 a B. 2cos2 a-1 C. 1-2 sin2 a D. All of these