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Section 5.1 Using Fundamental Identities 439 1. $\csc x = \frac{1}{\sin x}$ 2. $\sec x = \frac{1}{\cos x}$ 3. $\cot x = \frac{\cos x}{\sin x}$ 4. $\tan x = \frac{\sin x}{\cos x}$ 5. $\sin^2 x + \cos^2 x = 1$ 6. $\sin^2 x = 1 - \cos^2 x$ 7. $\cos^2 x = 1 - \sin^2 x$ 8. $\tan^2 x + 1 = \sec^2 x$ 9. $1 + \cot^2 x = \csc^2 x$ 10. $\sec^2 x - \tan^2 x = 1$ 11. $\csc^2 x - \cot^2 x = 1$ 12. $\sec^2 x = 1 + \tan^2 x$ 13. $\csc^2 x = 1 + \cot^2 x$ 14. $\tan^2 x = \sec^2 x - 1$ 15. $\cot^2 x = \csc^2 x - 1$ 16. $\sin^2 x = \frac{1 - \cos 2x}{2}$ 17. $\cos^2 x = \frac{1 + \cos 2x}{2}$ 18. $\tan^2 x = \frac{1 - \cos 2x}{1 + \cos 2x}$ 19. $\cot^2 x = \frac{1 + \cos 2x}{1 - \cos 2x}$ 20. $\sec^2 x = \frac{1 + \cos 2x}{\cos 2x}$ 21. $\csc^2 x = \frac{1 - \cos 2x}{\sin 2x}$ 22. $\tan x = \frac{\sin 2x}{1 - \cos 2x}$ 23. $\cot x = \frac{1 + \cos 2x}{\sin 2x}$ 24. $\sec x = \frac{1}{\cos x}$ 25. $\csc x = \frac{1}{\sin x}$ 26. $\tan x = \frac{\sin x}{\cos x}$ 27. $\cot x = \frac{\cos x}{\sin x}$ 28. $\sec^2 x = 1 + \tan^2 x$ 29. $\csc^2 x = 1 + \cot^2 x$ 30. $\tan^2 x = \sec^2 x - 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Chapter 6 Analytic Trigonometry

Jul 31, 2013 16th, 2024

CHAPTER 5 Analytic Trigonometry - KHSPreCalc

Analytic Trigonometry Section 5.1 Using Fundamental Identities 1. Tan U 2. Csc U 3. Cot U 4. Csc U 5. 1 6. $-\sin U$ 7. 5 Sec , Tan 0 2 X =-