



NOMBRE: _____

REALIZA LOS SIGUIENTES PUNTOS DE FORMA CLARA ORDENADA Y COMPLETA

1-identidades

50. $\cos^2 x - \sin^2 x = 2 \cos^2 x - 1$

51. $2 \cos^2 x - 1 = 1 - 2 \sin^2 x$

52. $(\tan y + \cot y) \sin y \cos y = 1$

53. $\frac{1 - \cos \alpha}{\sin \alpha} = \frac{\sin \alpha}{1 + \cos \alpha}$

54. $\sin^2 \alpha + \cos^2 \alpha + \tan^2 \alpha = \sec^2 \alpha$

55. $\tan^2 \theta - \sec^2 \theta = \tan^2 \theta \sec^2 \theta$

56. $\cot^2 \theta \cos^2 \theta = \cot^2 \theta - \cos^2 \theta$

57. $\frac{\sin x - 1}{\sin x + 1} = \frac{-\cos^2 x}{(\sin x + 1)^2}$

58. $\frac{\sin w}{\sin w + \cos w} = \frac{\tan w}{1 + \tan w}$

59. $\frac{(\sin t + \cos t)^2}{\sin t \cos t} = 2 + \sec t \csc t$

80. $\frac{1 + \sin x}{1 - \sin x} - \frac{1 - \sin x}{1 + \sin x} = 4 \tan x \sec x$

81. $(\tan x + \cot x)^2 = \sec^2 x + \csc^2 x$

82. $\tan^2 x - \cot^2 x = \sec^2 x - \csc^2 x$

83. $\frac{\sec u - 1}{\sec u + 1} = \frac{1 - \cos u}{1 + \cos u}$ 84. $\frac{\cot x + 1}{\cot x - 1} = \frac{1 + \tan x}{1 - \tan x}$

85. $\frac{\sin^3 x + \cos^3 x}{\sin x + \cos x} = 1 - \sin x \cos x$

86. $\frac{\tan v - \cot v}{\tan^2 v - \cot^2 v} = \sin v \cos v$

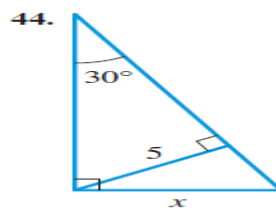
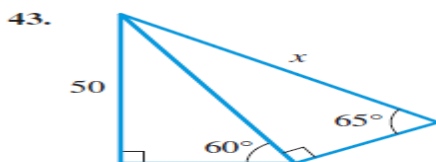
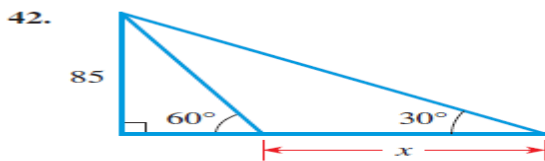
87. $\frac{1 + \sin x}{1 - \sin x} = (\tan x + \sec x)^2$

88. $\frac{\tan x + \tan y}{\cot x + \cot y} = \tan x \tan y$

89. $(\tan x + \cot x)^4 = \csc^4 x \sec^4 x$

90. $(\sin \alpha - \tan \alpha)(\cos \alpha - \cot \alpha) = (\cos \alpha - 1)(\sin \alpha - 1)$

2- DETERMINE EL VAOR DE LA LETRA X





5- Determina la medida de los ángulos internos del triángulo



6- Determina las longitudes (distancia A-C Y B-C)

