evaluación adicional

Azignatura:

Matemática:

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.
$$\tan^2\theta - \sin^2\theta = \tan^2\theta \sin^2\theta$$

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

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

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

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

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

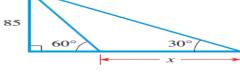
88.
$$\frac{\tan x + \tan y}{\cot x + \cot y} = \tan x \tan y$$

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

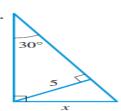
90.
$$(\operatorname{sen} \alpha - \operatorname{tan} \alpha)(\cos \alpha - \cot \alpha) = (\cos \alpha - 1)(\operatorname{sen} \alpha - 1)$$

2- DETERMINE EL VAOR DE LA LETRA X

42.



43.



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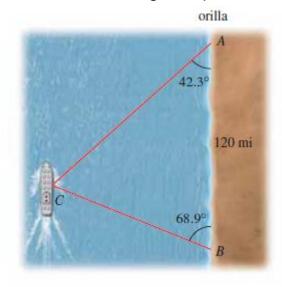
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Azignatura:

5- Determina la medida de los ángulos internos del triangulo



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



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