



TRİGONOMETRİ -15

SINIF: 11

KONU: GENEL TEKRAR SORU ÇÖZÜMÜ



Muzaffer AKKUŞ



Örnek: $\frac{5\pi}{4} < x < \frac{3\pi}{2}$ olmak üzere

$$\sqrt{1 - 2 \sin x \cos y} = 5 \sin x \quad \text{ise} \quad \tan x = ?$$



Muzaffer AKKUŞ



Örnek: $\sin a = x$ ve $\cos a = y$ olmak üzere

$x^4 + y^4 + x^2y^2 - 1$ ifadesinin en en sade hali nedir?



Muzaffer AKKUŞ



Örnek:

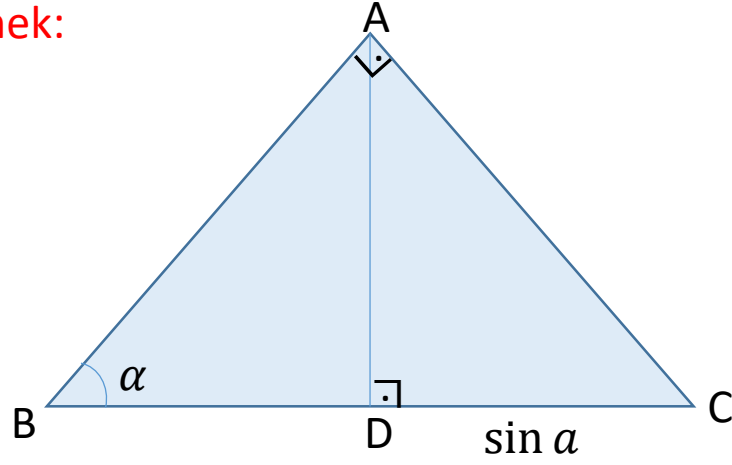
$$\frac{\sin^3 x - \cos^3 x}{\sin x - \cos x} + \frac{\sin^3 x + \cos^3 x}{\sin x + \cos x} = ?$$



Muzaffer AKKUŞ



Örnek:



$$A(ABD) = ?$$

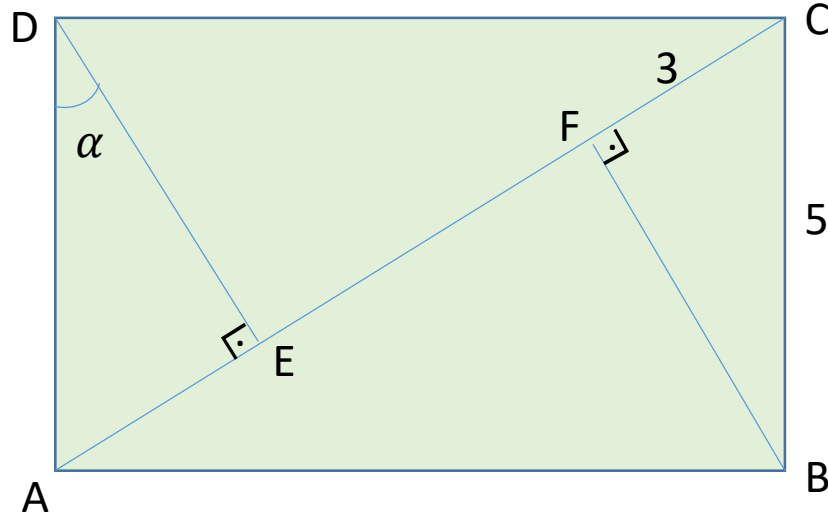


Muzaffer AKKUŞ



Muzaffer AKKUŞ

Örnek:



ABCD dikdörtgen

$\tan a = ?$



Örnek:

$$a = \sin 195$$

$$b = \cos 245$$

$$c = \tan 310$$

$$d = \cot 235$$

küçükten büyüğe doğru sıralayınız.



Muzaffer AKKUŞ



Muzaffer AKKUŞ

Örnek:

$$\frac{\sin(\pi - x) \cdot \tan\left(\frac{3\pi}{2} + x\right)}{\cos(\pi + x) \cdot \cot(2\pi - x)} = \frac{1}{2}$$

ise $\csc x = ?$



Örnek:

$$0 < x < \frac{\pi}{2} \text{ ise}$$

$$\sqrt{\frac{1+\cos x}{1-\cos x}} + \sqrt{\frac{1-\cos x}{1+\cos x}} = ?$$



Muzaffer AKKUŞ



Örnek: $2 \sin x + \cos x = \sqrt{3}$ ise

$$\tan^2 x + 4 \tan x = ?$$



Muzaffer AKKUŞ



TEŞEKKÜRLER

Muzaffer AKKUŞ



Muzaffer AKKUŞ



Örnek:



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ



Muzaffer AKKUŞ

















































