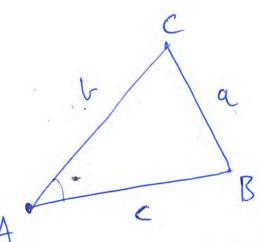
Vinkelnotasjan



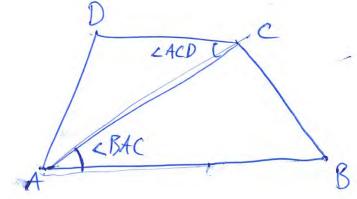
Bruke store bolstava San hidrane i trekanten.

Motståande side Såv samme bokstav

Kan også skrive linjeltykken som

Mer avansent:

2 BAC



Arealsotninga: Aveal = 1.a.b.sin(c) A = 1 b-c. sin(2A) = { a.c.sin (<B)

Sinvssetninga
Starta med:

$$\frac{2}{a \cdot b \cdot c} = \frac{1}{2} \cdot a \cdot c \cdot \sin(\angle B) = \frac{1}{2} \cdot b \cdot c \cdot \sin(\angle A)$$

 $\frac{1}{2} \cdot a \cdot b \cdot \sin(\angle C) = \frac{1}{2} \cdot a \cdot c \cdot \sin(\angle B) = \frac{1}{2} \cdot b \cdot c \cdot \sin(\angle A)$
 $\frac{1}{2} \cdot a \cdot b \cdot \sin(\angle C) = \frac{1}{2} \cdot a \cdot c \cdot \sin(\angle B) = \frac{1}{2} \cdot b \cdot c \cdot \sin(\angle A)$
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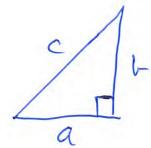
$$\frac{5}{7}$$
, $\sin 70^\circ = \sin V$
 $\frac{5}{7}$, $0.9397 = \sin V$

$$W = 180^{\circ} - 70^{\circ} - V = 110^{\circ} - V$$

Vi kan ofte bruke smogsetnongs til å Simme en vinkel on vi ha tre kant med to lengther og en vintel.

Vi kan ofte bruke sin vissetninge til å Sinne en lengte
om vi har tre kant med to vintle og en længte. gin CA = sin CB 5 / 2 / Sing way Mak: Fan moligens to vinkel svar. Sinussetninga en i lete alltid note: 0=6cm a 35° A c=8cm B Hvis vi skalle Sonnet alt an denne, matte vi; 6cn $35^{\circ} = \frac{4}{6}$ $35^{\circ} = \frac{2}{6}$ 8cn y = 8 - xy=8-x 2= y2+42 fan < B = y There most be a better way!

Cosinossetninga - Bedoe Pythagovas;



C = 5.9281 cm

$$e^{2} = 9 + 16 - 2.3.4.\cos(115^{\circ})$$

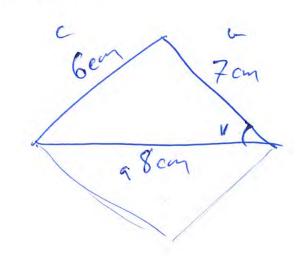
$$= 25 - 24.\cos 115^{\circ}$$

$$= 35.1428 cu^{3}$$

$$c^{2} = 9 + 16 - 2.3.4.\cos \beta$$

= 25 - 24.cos 70°
= 16.7915 cm²
 $c = 4.0977 cm$

$$a^{2}-12.25679+28=0$$
 $a=\frac{12.2567\pm\sqrt{122567}^{2}-4.28}{2}$
Siste bruksom ræde for cosinus setninga:



$$36 = 64 + 49 - 2.8.7.005 V$$

$$112 \cos V = 64 + 49 - 36$$

$$\cos V = \frac{77}{112} = 0.6875$$

$$V = \cos^{-1}(0.6875)$$

$$= 46.5675$$

Sin/cos/tan vecap:

For vett vin Ela tvekant

Sin
$$V = \frac{b}{c}$$

Cos $V = \frac{a}{c}$

Ean $V = \frac{b}{a}$

Cos $V = \frac{a}{c}$

For vin Ela storve en 90° men mindre en 180°

Sin (180° - V) = Sin (V)

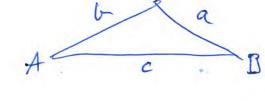
cos (180° - V) = - cos (V)

Kan Sinne vin Kel V gitt sinus/cosinus/tangans verdi

Nia omvendt sin", nouvendt cos", os no muendt

Kan Sinne vinkel v gitt sinus/cosinus/fangons verdi via youvendt sin", "ouvendt cos", os youvendt fan "

Sin' cos' Ean-1 For villearlige trebanta;



· Arealsetninga:

o Cosinusset ninga