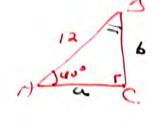


SinA = 
$$\frac{a}{c}$$
  $\cos A = \frac{b}{c}$   $\tan A = \frac{a}{2}$   
 $\cos A = \frac{a}{c}$   $\cot A = \frac{b}{a}$   
 $\sin A = \frac{b}{c}$   $\cos A = \frac{a}{c}$   $\cot A = \frac{b}{a}$   
 $\sin A = \frac{b}{c}$   $\cos A = \frac{a}{c}$   $\cot A = \frac{b}{a}$   
 $\cot A = \frac{a}{c}$   $\cot A = \frac{a}{c}$   $\cot A = \frac{a}{c}$ 

come I hyp + side tangent 25 des (Nohyo)

(=90° ,+=40° C=12 B= 40°-40°



Cos 400 = 01

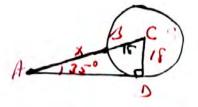
a = 12 co 400 27.7

SIH 430 = 6.

b = 12 sin 40°)

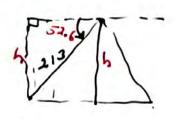
D'in 350 = 18 X+18= 18

X = 15 - 18



I angle of thevation

sin 52.6 = h h= 213 sins 2.6°(



tes & Des Loch A HCD: tan 36.70 = h h = x Pan 3 6.7° ( 1 DCA: tan 22.20 = 1 h=(x+50) tam 22.2° 2 0=0 x Pan 36.7° = x Pan 22.2° +00 Pan 22.2° X ( fan 36.7° - fan 22.2°) = 50 fan 22.2° X = 50 tam 22.20 tam 36.20 - tam 22.20 h = 50 ham 22.2°. Pan 36.70 tan 36.70 - tan 22.20

Ct 20

300 600

h = 100 tan 30° tan 60° - tan 30°

$$=\frac{100\left(\frac{1}{\sqrt{3}}\right)\left(\sqrt{3}\right)}{\sqrt{3}-\frac{1}{\sqrt{3}}}$$

$$=\frac{100}{3-1}$$

h = 371 tan 60.4° tan 22.6° tan 60.4° - tan 22.6°

(AB) = 25

7 3 3.5

AFC: tan 130= - 5 0

DFAC: famigo = 3 (3)

(1) -> y = x tam 13° (3)

(I) -> y = (25-x)tan 19°)

x fan 13° = 25 fan 19° - x fan 19°

X (tan 13° + tan 19°) = 25 tan 19 X = 25 tan 190

tan 130 + tan 190 y = 25 tan 19° tan 13°

39 cos 650 = d d= 4 cos650 cos 600= d d=6.1 theld Pan 8.340= h h = 171 tam 8.34° tan 30° = 24 = 24 /3 in tan 9 = 147 9= tan 147 (No right triangle)

Law of Sine: SinA = 5.40 = 5.40

B 2 2 C

7+B+C=180°

SinA = Sins Sin C

5.4B= h

hacsins = habsine

csind= bsinE

3

C SinC SinA

C= \frac{\frac{\frac{5\infty}{5\infty}}{5\infty}}{5\infty}

~ 16)

$$\begin{array}{l}
CX & Given & A = 32^{\circ} & C = 81.8^{\circ} & a = 42.9 \text{ cm} \\
B = (80^{\circ} - 32^{\circ} - 81.8^{\circ}) \\
= 66.2^{\circ} \\
\hline
B = G6.2^{\circ} \\
\hline
C = G6.2^{\circ} \\
\hline
B = G6.2^{\circ} \\
\hline
C = G6.2$$

(1) 
$$C \leq \text{pine} \leq d$$

(2)  $\text{pine} (+)$   $Q = 2 \text{ Q} = 0$ 

$$\frac{Sin Q}{b} = \frac{Sin A}{a}$$

$$Sin Q = \frac{Sin A}{a}$$

$$Sin Q = \frac{3(\frac{1}{2})}{2}$$

$$= \frac{3(\frac{1}{2})}{2}$$

$$= \frac{3}{2} > 1$$

No Triangle.

(2)  $C = 3S \cdot u^{\circ}$ 

$$= \frac{20S \cdot sin 3S \cdot u^{\circ}}{3/4}$$

$$= \frac{20S \cdot sin 3S \cdot u^{\circ}}{3/4}$$

$$= 22.2^{\circ}$$

$$= \frac{157 \cdot 8^{\circ}}{3}$$

$$= \frac{132.4^{\circ}}{5}$$

$$= \frac{314 \cdot Sin / 23.4^{\circ}}{5}$$

$$S = \frac{b \sin A}{a}$$

$$= \frac{62 \sin 40^{\circ}}{54}$$

$$B = \sin^{-1} \left( \frac{62 \sin 40^{\circ}}{54} \right)$$

$$248^{\circ}$$

$$C = 180^{\circ} - 40^{\circ} - 48^{\circ}$$

$$= 92^{\circ}$$

$$C = \frac{54 \sin 92^{\circ}}{\sin 40^{\circ}}$$

$$2 \sin 48^{\circ}$$

$$C = \frac{54 \sin 92^{\circ}}{\sin 40^{\circ}}$$

$$2 \sin 48^{\circ}$$

$$C = \frac{54 \sin 92^{\circ}}{\sin 40^{\circ}}$$

$$2 \sin 48^{\circ}$$

$$2 \sin 48^{\circ}$$

$$= \frac{54 \sin 6}{\sin 40^{\circ}}$$

$$= \frac{54 \sin 6}{\sin 40^{\circ}}$$

$$= \frac{54 \sin 6}{\sin 40^{\circ}}$$

$$\approx 12 \text{ cm}$$

(Area)
$$K = \frac{1}{2}bc \sin A$$

$$= \frac{1}{2}a6 \sin C$$

$$= \frac{1}{2}ac \sin S$$

Area =  $\frac{1}{2}bc \sin A$   $= \frac{1}{2}(u)(1)\sin 120^{\circ}$  Sin 60  $= 2(\frac{\omega}{2})$  $= \sqrt{3}um^{2}t^{2}$