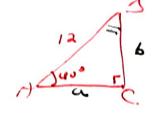


SinA = 
$$\frac{a}{c}$$
  $cosA = \frac{b}{c}$   $fanA = \frac{a}{2}$   
 $cosA = \frac{c}{a}$   $scA = \frac{c}{5}$   $cosA = \frac{b}{a}$   
 $sinB = \frac{b}{c}$   $cosB = \frac{a}{c}$   $fanB = \frac{b}{a}$   
 $cosB = \frac{a}{5}$   $scB = \frac{c}{a}$   $cosB = \frac{a}{5}$ 

Sine hyp + side tangent 25 des (Mohyo)

B= 40°-40° C=12 B= 40°-40° = 50°)



Cos 400 = 01

a = 12 co 40° = 27.7

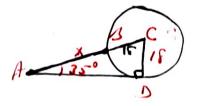
SIH 40 = 6.

b = 12 sin 40°)

Ex.

 $35^{\circ} = \frac{18}{x+18}$  $x+18 = \frac{18}{5, n \cdot 3.0}$ 

X = 15 - 18



Jangle of thevation I angle of depression

tx sin 52.6 = \frac{h}{213}

h= 213 sin 52.6°



tos & DOB (1=h A HCD: tan 36.70 = h h=x Pan 36.7° 0 1 DCA: fam 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 Fam 22.20 tam 36.70 - tam 22.20 h = 50 ham 22.2°. Fan 26.7°

100

100 kay 30° kay 60° tan 60°

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

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

= 50 /3/

h = 371 tan60.4 tan 22.60 tan 60.4 - tan 22.60

(AB) = 25

7 5 3.5

DAFC: tan 130 = - 5 0

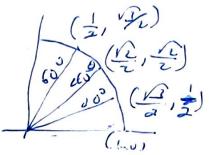
DFAC: famigo = 3 (3)

(1) -> y = x Pam 13° (3)

(D) y = (25-x)tan 19°) x Fan 130 = 25 Fan 190 - x Fan 190

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

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



39 cos 650 = d d= 4 cos650 cos 600 = d d=6.1 theld tan 8.34° = h h = 171 tam 8.34° tan 30° = 24 d= 2d-= 24 /3 in tan 9 = 14+ 9= tan 147 / 6.5 (No right triangle)

$$Ex A = 30^{\circ} \Delta = 70^{\circ} a = 8$$

$$C = 180^{\circ} - 30^{\circ} - 70^{\circ}$$

$$= 80^{\circ}$$

$$\begin{array}{lll}
CX & Given & A = 32^{\circ} & C = 81.8^{\circ} & a = 42.9 \text{ cm} \\
B = (80^{\circ} - 32^{\circ} - 81.8^{\circ}) \\
& = 66.2^{\circ} \\
\hline
B & = 42.9 \sin 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
\hline
C & = 42.9 \sin 81.8^{\circ} \\
\hline
C & = 42.9 \sin 81.8^{\circ} \\
\hline
Sin 4 & = 56.2 & = 5.2^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
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C & = 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
Sin 32^{\circ} \\
\hline
C & = 61.8^{\circ} \\
\hline
C & = 66.2^{\circ} \\
\hline
C & = 61.8^{\circ} \\
\hline
C$$

(a) 
$$\sin e = 1$$

(b)  $\sin e = 1$ 

(c)  $\sin e = 1$ 

(d)  $\sin e = 1$ 

(e)  $\sin e = 1$ 

(f)  $\sin e = 1$ 

(f)  $\sin e = 1$ 

(g)  $\sin e = 1$ 

(g)

2) 458 ft

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

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

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

$$2 = \frac{63 \sin 40^{\circ}}{54}$$

$$C = \frac{63 \cos 40^{\circ}}{54}$$

$$C = \frac{63 \sin 40^{\circ}}{5 \sin 40^{\circ}}$$

$$C = \frac{63 \cos 60^{\circ}}{5 \sin 40^{\circ}}$$

$$C = \frac{63 \sin 40^{\circ}}{5 \sin 40^{\circ}}$$

$$C = \frac{63 \cos 60^{\circ}}{5 \cos 60^{\circ}}$$

$$C = \frac{63 \cos 60^{\circ}}{5 \cos 60^{\circ}}$$

$$C = \frac{63 \cos 60^{\circ}}{5 \cos 60^{\circ}}$$

$$C = \frac{63 \cos$$

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

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

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

Anex =  $\frac{1}{2}bc \sin A$ =  $\frac{1}{2}(4)(1)\sin 120^{\circ}$   $\sin 60^{\circ}$ =  $2(\frac{13}{2})$ =  $3 \text{ um}(t^{2})$ 

( Po 0 2900 90° < < 100° 1800-1200=600 # ul a=8 6=6. C=30° Area = 1 ab sin C = 1 (8) (6) sin 300 30° 45° 60° 5 150° ) 125° ) 120° 5 1