A, tcD Sin A = h A.ACD sins = h = h = asins bsinA= asinB SinA = SinB sinC 160° - 30° - 70 2(80) 5,000 160 sui 80 80 5,470 = 160 sin 700

$$A = 85-3^{\circ}$$

$$A = 65-3^{\circ}$$

$$b = \frac{a \sin \delta}{\sin \delta}$$

$$= \frac{662 \sin 5.7^{\circ}}{\sin \delta \cdot 3^{\circ}}$$

$$0 \le S \text{ Im } 0 \le 1$$
 $0 \in Q I + Q II$
 $0 \in Q$

$$C = 35.4^{\circ} \qquad a = 205 \qquad C = 3/4$$

$$Sin A = \frac{a \sin C}{c}$$

$$= \frac{205}{3/4} \sin 35.4^{\circ}$$

$$A = \sin^{-1} \left(\frac{205}{3/4} \sin 35.4^{\circ} \right)$$

$$= 22.2^{\circ} \qquad A = (50^{\circ} - 22.2^{\circ})$$

$$A = 22.2^{\circ} \qquad A = (50^{\circ} - 22.2^{\circ})$$

$$= (50^{\circ} - 22.2^{\circ} - 35.4^{\circ})$$

$$= (50^{\circ} - 157.5^{\circ} - 35.4^{\circ})$$

$$= ($$

 $\frac{EX}{C}$ $\alpha = 54$ b = 62 , $t = 40^{\circ}$

$$3 = \sin\left(\frac{628 \text{ m do}}{54}\right) \frac{5 \sin A}{\alpha}$$

$$2 d \delta^{0}$$

B=180-48°
= 132

 $C = (50^{\circ} - 45^{\circ} - 40^{\circ})$ $C = (50^{\circ} - 132^{\circ} - 40^{\circ})$ = 92° = 8°

 $C = \frac{54 \sin 92^{\circ}}{\sin 40^{\circ}} \qquad C = \frac{54 \sin 6^{\circ}}{5 \sin 40^{\circ}}$

~ 845

SAS,

1 = 1 bc sin A = 1 ab sin C

= 1 ac sin B

tx 7=20°40' 6=27-3

B = 150° - 24° do' - 52° do'

~ 102.667

Mar = 27-3 Sin 24 cs x 11.7

C=52°40'

77°201 77 + 20x

$$K = \frac{1}{2} (11.7)(27.2) \sin 52^{\circ}40^{\circ}$$
 $\approx 127 \text{ cm}^{2}$

$$||A|| = \frac{1}{2}bc \sin A$$

$$|(z + \frac{1}{2}bc \sin A)|$$

$$= \frac{1}{2}(u)(1) \sin(120)$$

$$= 2\frac{13}{2}$$

$$= 13 \quad unit$$

b, c, A.

Law of cosine

$$a^2 = b^2 + c^2 - 2bc \cos A \Rightarrow a = \sqrt{b^2 + c^2 - 2bc \cos A}$$

$$b = \sqrt{a^2 + c^2 - 2ac \cos B}$$

$$\alpha = \sqrt{b^2 + c^2 - 2bc \cos A}$$

$$= \sqrt{20^2 + 30^2} - 2(20)(30) \cos 60^{\circ}$$

$$= 10\sqrt{4} + 9 - 12(\frac{1}{2})$$

$$= 10\sqrt{7} \ln 1$$

$$a, b, c$$

$$cos A = \frac{b^{2} + c^{2} - a^{2}}{2bc} \Rightarrow A = cos^{-1} \frac{b^{2} + c^{2} - a^{2}}{2bc}$$

$$B = cos^{-1} \frac{a^{2} + c^{2} - b^{2}}{2ac}$$

 $A = \cos^{-1} \frac{20^2 + 18^2 - 3\psi^2}{720}$

555. $S = \frac{1}{2} (a + b + c)$ $K = \sqrt{5(s-a)(s-b)(s-c)}$ Heron's Area