Mealins

$$\lambda \stackrel{?}{?} = 5$$
 $\lambda = 5$
 λ

6 Try 40 (-6, -8)

$$2(-3, -4) \longrightarrow 5$$

 $5 = -\frac{4}{5} \quad coso = -\frac{3}{5} \quad tano = \frac{4}{3}$
 $csco = -\frac{5}{4} \quad peco = -\frac{5}{3} \quad cofo = \frac{3}{4}$

$$71.3 \qquad COD 0 = -\frac{5}{13} \qquad QII
-5, 12.) -> 13
51/10 = \frac{12}{13} \qquad COD 0 = -\frac{5}{13} \qquad tano = -\frac{12}{5}
COCO = \frac{13}{12} \qquad DECO = -\frac{13}{5} \qquad Cuto = -\frac{5}{12}$$

Find missing sides
$$B = 30^{\circ} \quad a = 60. \quad b = 20$$

$$\frac{5inA}{a} = \frac{5inB}{b}$$

$$5inA = \frac{60 \sin 30^{\circ}}{20}$$

$$= 3\left(\frac{1}{2}\right) > 1$$

$$\therefore No triangle ($$

ana
$$\triangle$$
 Area? $a=3$ $b=2$ $C=60^{\circ}$
 $\exists Aca = \frac{1}{2}$ $ab \sin C$

$$= \frac{1}{2}(3)(2) \sin 60^{\circ}$$

$$= 3 \frac{\sqrt{3}}{2} \text{ unif}^{2}$$

Side a:
$$A = 60^{\circ}$$
 $b = 10$ $c = 20$
 $a = \sqrt{b^2 + c^2} - 2bc \cos A$
 $= \sqrt{100 + 400 - 2(10)(20) \cos 60^{\circ}}$
 $= \sqrt{500 - 400} \left(\frac{1}{2}\right)^{\frac{1}{2}}$
 $= \sqrt{300}$
 $= 10 \sqrt{3}$
 $= 10 \sqrt{3}$

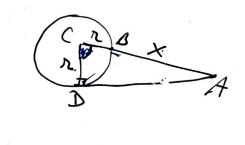
$$\sqrt{x00000} = 100 \sqrt{x0}$$
 $3/x00000 = 103/x00$

$$C = 45^{\circ} \qquad \chi = 14$$

$$005 45^{\circ} = \frac{14}{144x} = \frac{\sqrt{2}}{2}$$

$$1 + 14 = \frac{14(2)}{\sqrt{2}}$$

$$\chi = \frac{26}{\sqrt{2}} - 14$$



14 (2 · 1 - 1)

14 (12-1)

$$C = 60^{\circ} \quad \Lambda = 1\lambda$$

$$C = 60^{\circ} \quad \frac{12}{x+12} = \frac{1}{2}$$

$$24 = x+12$$

$$X = 12$$

$$h = \frac{200 \tan 45^{\circ} (\tan 30^{\circ})}{\tan 45^{\circ} - \tan 30^{\circ}}$$

$$= \frac{200(1) \sqrt{3}}{-1 - \sqrt{3}}$$

$$= \frac{200}{\sqrt{3}^{1} - 1}$$

$$= \frac{200}{\sqrt{3}^{1} - 1}$$

fr42 tan 4.962 = 196.8 d= 2(196.8) tan 4.962° = 393.6 Fan 4.962° Fan 300 = 20 = 1 20ª d= 2013 in 512 450 = h = 1/2 h= 50/2: = 25 /2 $\cos 60^\circ = \frac{x}{6} = \frac{11}{2}$

$$\cos 60^\circ = \frac{x}{6} = \frac{11}{2}$$

$$x = 3 = \frac{6}{2}$$

