2. degree Comin = 1 degree = 3600 sec 1 Nev = 3500 Radian I means I rad rd 1° means I deg. 1 hev. $2\pi = 360^{\circ}$ $\pi = 160^{\circ}$ 45° = 45° Trad = 1 rad. : 249.8° = 2498 . To rad = 1249 Trad I rad = 1 rad 180 $=\left(\frac{100}{77}\right)^{\circ}$ 1,4 = 57.3°. 4 11 rad = 4 (1800) = 24001

= 200°) TI rad = 180°)

6.2 Are length radio Fired central angle 10=1 = in rady Ex 12 18.2 5? 0 30: D = 183. 20 = 313 D. cm L = .8725 : 8726. 0: 39.720.-1500 2 = 7 000 100 100 1000 1000 1000 = 1732785 11.10 PX 2.6049 Fts

$$\lambda = 6$$

$$= 6. \frac{\pi}{6}$$

$$= 6. \frac{\pi}{6}$$

$$= 70 \text{ in}$$

$$= 6. \frac{\pi}{6}$$

$$= 70 \text{ in}$$

$$= 7$$

$$EX \qquad \theta = 90^{\circ} \cdot \frac{11}{83^{\circ}} = \frac{11}{2} \qquad \Lambda = 30 \text{ ft}$$

$$A = \frac{1}{2} \Lambda^{2} O$$

$$= \frac{1}{2} (30)^{2} \frac{11}{2}$$

$$= \frac{900}{4} \sqrt{11}$$

$$= 225 \sqrt{11} \text{ ft}^{2}$$

$$= 225 \sqrt{11} \text{ ft}^{2}$$

$$5 = ro$$

$$A = \frac{1}{3}r^{2}o$$

$$\frac{d \cdot j \rightarrow rad}{dy} \frac{dy}{180} =$$

Speed =
$$|w| = \frac{1}{time} = \frac{S}{t}$$
 $S = S c \omega$, $t = 2$
 $V = \frac{S}{t}$
 $= \frac{S}{t} c \omega / S c c$

Angular vector by $c \omega = \frac{S}{t} c c$
 $S = \frac{S}{t} c c c$
 S

[N= rw]

シュハウ

o° = orad 10° = 10° 10 = 11 had

2.

$$Sind = \frac{\lambda}{\lambda}$$

$$Coro = \frac{\lambda}{\lambda}$$
and
$$\frac{\lambda}{\lambda}$$

$$Csc \delta = \frac{1}{5ins} = \frac{\Lambda}{\chi}$$

$$51/10 = \frac{15}{17}$$
 $tano = \frac{8}{17}$ $tano = \frac{15}{8}$ $coco = \frac{17}{15}$ $coco = \frac{17}{15}$ $coco = \frac{17}{15}$

$$(16,-12) 4 (4,-3) -> 5,$$

$$5:n0 = -\frac{3}{5} \cos 0 = \frac{4}{5} \tan 0 = -\frac{3}{4}$$

$$\csc 0 = -\frac{5}{3} pcco = \frac{5}{4} coto = -\frac{4}{3}$$

$$fan 30° = \frac{y_1}{x} \qquad fan 40° = \frac{y_2}{x}$$

$$X = \frac{y_1}{fan 20°} \qquad X = \frac{\partial z}{fan 40°}$$

$$y_2 > y_1$$

 $\frac{72}{x} > \frac{71}{x}$ $\frac{72}{x} > \frac{71}{x}$ $\frac{72}{x} > \frac{71}{x}$

Coso =
$$\frac{\sqrt{3}}{2}$$
 $\sqrt{\epsilon} \left(\frac{\sqrt{3}}{\sqrt{3}} \right) \sin \vartheta$ fand
$$\frac{\sqrt{3} + \sqrt{2}}{\sqrt{2}} = \frac{1}{\sqrt{4}}$$

$$\frac{\sqrt{4} + \sqrt{2}}{\sqrt{2}} = \frac{1}{\sqrt{4}}$$

$$\frac{\sqrt{4} + \sqrt{2}}{\sqrt{3}} = \frac{1}{\sqrt{4}}$$

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$$\frac{\sqrt{4} + \sqrt{4}}{\sqrt{3}} = \frac{1}{\sqrt{4}}$$

Reciprocal

$$\left(\frac{x}{\lambda}\right)^{2} + \left(\frac{y}{\lambda}\right)^{2} = 1$$

$$\frac{(\omega s^2 a)}{\cos^2 a} + \frac{\sin^2 a}{\cos^2 a} = \frac{1}{\cos^2 a}$$

$$S_{1} = \frac{5}{13} \quad Con \delta = -\frac{12}{13} \quad fand = \frac{5}{12}$$

$$Cos = -\frac{12}{13} \quad reco = -\frac{12}{13} \quad Cos \delta = \frac{12}{12}$$

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$$Cos = \frac{12}{12} \quad cos \delta = \frac{12}{12} \quad c$$

GI
$$(80^{\circ}-30^{\circ}=150^{\circ})$$
 $(-,+)$
 6π $(80^{\circ}+30^{\circ}=210^{\circ})$ $(-,-)$
 $GV 3(0^{\circ}-30^{\circ}=330^{\circ})$ $(+,-)$

Madian II GI GII (1-1)II GII (21-1)II QII (21-1)II

co-function right \triangle $A+B=90^{\circ}$ $COSA=SINB=SIN (90^{\circ}-A)$ $SINA=COSB=SIN (90^{\circ}-A)$

2.2 (1-16) (20-30) m. xam 6,8,11 20,23,29

6.2 # 12
$$(10, -24) \qquad 2(5, -12) \rightarrow 13$$

$$5 \text{ in } 0 = \frac{-12}{13} \qquad \text{Cos } 0 = \frac{5}{13} \qquad \text{fand} = -\frac{12}{5}$$

$$\text{Cox } 0 = -\frac{12}{12} \qquad \text{seco} = \frac{12}{5} \qquad \text{Cot} 0 = -\frac{5}{12}$$

$$\# 33 \qquad 5 \text{ in } 0 = -\frac{8}{12} \qquad 0 \in 6 \text{ III} \qquad 8,15 \rightarrow 17$$

33 Sino =
$$-\frac{8}{17}$$
 $O \in G III$ $8,15 \rightarrow 1$
 $Sino = -\frac{8}{17}$ $Coo = -\frac{15}{12}$ $tano = \frac{8}{15}$
 $coco = -\frac{17}{8}$ $prco = -\frac{17}{15}$ $coto = \frac{15}{8}$

