

$$\alpha = 336.31^\circ$$

$$\frac{3}{2} = \tan \theta$$

$$\frac{13}{\sqrt{53}} = \cos \theta$$

$$\frac{13}{\sqrt{53}} = \sin \theta \quad (\text{f})$$

$$\alpha = 337.38^\circ$$

$$\frac{2}{5} = \tan \theta$$

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

$$\frac{13}{5} = \sin \theta \quad (\text{d})$$

$$\alpha = 254.05^\circ$$

$$\frac{2}{3} = \tan \theta$$

$$\frac{53}{\sqrt{53}} = \cos \theta$$

$$\frac{5}{\sqrt{53}} = \sin \theta \quad (\text{e})$$

$$\alpha = 216.87^\circ$$

$$\frac{4}{3} = \tan \theta$$

$$\frac{5}{4} = \cos \theta$$

$$\frac{5}{3} = \sin \theta \quad (\text{c})$$

$$\alpha = 120.96^\circ$$

$$\frac{3}{5} = \tan \theta$$

$$\frac{4}{\sqrt{5}} = \cos \theta$$

$$\frac{4}{\sqrt{5}} = \sin \theta \quad (\text{b})$$

$$\alpha = 61.93^\circ$$

$$\frac{8}{5} = \tan \theta$$

$$\frac{17}{8} = \cos \theta$$

$$\frac{11}{5} = \sin \theta \quad (\text{a})$$

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Q#2

a)  $\csc \theta = \frac{\sqrt{61}}{5}$

$$\sec \theta = \frac{\sqrt{61}}{6}$$

$$\cot \theta = \frac{6}{5}$$

$$\theta \doteq 39.81^\circ$$

b)  $\csc \theta = \frac{\sqrt{65}}{8}$

$$\sec \theta = -\sqrt{65}$$

$$\cot \theta = -\frac{1}{8}$$

$$\theta \doteq 97.13^\circ$$

c)  $\csc \theta = -\frac{\sqrt{10}}{3}$

$$\sec \theta = -\sqrt{10}$$

$$\cot \theta = \frac{1}{3}$$

$$\theta \doteq 251.51^\circ$$

d)  $\csc \theta = -\frac{\sqrt{5}}{2}$

$$\sec \theta = \sqrt{5}$$

$$\cot \theta = -\frac{1}{2}$$

$$\theta \doteq 296.57^\circ$$

$$\begin{array}{ll} \text{a)} \theta_1 = 38.66^\circ, \theta_2 = 218.66^\circ & \\ \text{b)} \theta_1 = 51.32^\circ, \theta_2 = 308.68^\circ & \\ \text{c)} \theta_1 = 126.86^\circ, \theta_2 = 233.13^\circ & \\ \text{d)} \theta_1 = 51.32^\circ, \theta_2 = 218.66^\circ & \end{array}$$

$$\theta = 205.38^\circ$$

$$\tan \theta = \frac{20}{3\sqrt{10}}$$

$$\cos \theta = \frac{\sqrt{10}}{2\sqrt{10}} = \frac{1}{2}$$

$$\sin \theta = \frac{\sqrt{10}}{2\sqrt{10}} = \frac{1}{2}$$

$$\theta = 291.80^\circ$$

$$\tan \theta = \frac{2}{5}$$

$$\cos \theta = \frac{2\sqrt{29}}{2\sqrt{29}} = \frac{1}{2}$$

$$\sin \theta = \frac{\sqrt{29}}{2\sqrt{29}} = \frac{\sqrt{29}}{2}$$

$$\theta = 228.19^\circ$$

$$\tan \theta = \frac{2}{5}$$

$$\cos \theta = \frac{5}{2\sqrt{29}} = \frac{5}{2\sqrt{29}}$$

$$\sin \theta = \frac{\sqrt{29}}{2\sqrt{29}} = \frac{\sqrt{29}}{2}$$

$$\theta = 126.87^\circ$$

$$\tan \theta = \frac{5}{2}$$

$$\cos \theta = \frac{2}{\sqrt{29}} = \frac{2}{\sqrt{29}}$$

$$\sin \theta = \frac{\sqrt{29}}{2\sqrt{29}} = \frac{\sqrt{29}}{2}$$

$$\overline{h \neq 0}$$

$$\begin{array}{ll} \text{a)} \frac{1}{2} = \frac{1}{2}, \frac{3}{2} = \frac{3}{2}, \frac{5}{2} = \frac{5}{2}, \frac{7}{2} = \frac{7}{2}, \frac{9}{2} = \frac{9}{2} & \\ \text{b)} \frac{1}{2} = \frac{1}{2}, \frac{3}{2} = \frac{3}{2}, \frac{5}{2} = \frac{5}{2}, \frac{7}{2} = \frac{7}{2}, \frac{9}{2} = \frac{9}{2} & \end{array}$$

$\Sigma f$

$\frac{h}{\varepsilon -}$  (a)

$\frac{n}{\varepsilon \nu}$  (p)

| (c)

$\frac{\varepsilon}{\sqrt{4\pi}}$  (g)

$\frac{\delta}{\nu} \frac{(n)}{\alpha \beta}$