

Subject: ()

Date: _____

$$\text{الف) } 27^\circ = (x) \text{ rad} \Rightarrow \frac{D}{180} = \frac{\text{Rad}}{\pi} \Rightarrow \frac{27}{180} = \frac{\text{Rad}}{\pi} \quad (1)$$

$$\frac{27\pi}{180} = \frac{2\pi}{x}$$

$$\text{ب) } 125^\circ = (x) \text{ rad} \Rightarrow \frac{125}{180} = \frac{\text{Rad}}{\pi} \Rightarrow \frac{125\pi}{180} = \frac{20\pi}{xy}$$

$$\text{ج) } \frac{5\pi}{12} \text{ rad} = (x)^\circ \Rightarrow \frac{D}{180} = \frac{\frac{5\pi}{12}}{\pi} \Rightarrow \frac{D}{180} = \frac{5}{12} \Rightarrow D = 75^\circ$$

$$\text{د) } \frac{4\pi}{9} \text{ rad} = (x)^\circ \Rightarrow \frac{D}{180} = \frac{\frac{4\pi}{9}}{\pi} \Rightarrow \frac{D}{180} = \frac{4}{9} \Rightarrow D = 80^\circ$$

$$10a + \frac{10a}{x} + 22,5a = 180 \Rightarrow 5a = 180 \Rightarrow a = 36 \quad (2)$$

$$\frac{120a}{9} \rightarrow \frac{G}{180} = \frac{D}{180} \Rightarrow \frac{120a}{9} = \frac{D}{180} \Rightarrow D = 160a$$

$$\frac{a\pi}{1} \rightarrow \frac{D}{180} = \frac{\frac{a\pi}{1}}{\pi} \Rightarrow \frac{D}{180} = \frac{a}{1} \Rightarrow D = 180a$$

$$\text{الف) } \cos 90^\circ \cos 30^\circ - \sin 90^\circ \sin 30^\circ - \tan 45^\circ + 2 \cot 45^\circ \quad (3)$$

$$\frac{1}{2} \times \frac{\sqrt{3}}{2} - \frac{\sqrt{3}}{2} \times \frac{1}{2} - \frac{\sqrt{2}}{\sqrt{2}} + 2 \times \frac{\sqrt{2}}{\sqrt{2}} = 1$$

$$\text{ب) } \frac{\tan^2 30^\circ + \tan^2 45^\circ + \tan^2 60^\circ}{\cot 30^\circ \cot 45^\circ} = \left(\frac{1}{\sqrt{3}} \right)^2 + \left(\frac{\sqrt{3}}{1} \right)^2 + \left(\frac{\sqrt{3}}{1} \right)^2 = 5$$

$$\frac{\left(\frac{1}{\sqrt{3}} \right)^2 + 1 + (\sqrt{3})^2}{\sqrt{3} - \frac{1}{\sqrt{3}}} = \frac{\frac{1}{3} + 1 + 3}{\frac{3-1}{\sqrt{3}}} = \frac{\frac{4}{3}}{\frac{2}{\sqrt{3}}} = \frac{4\sqrt{3}}{6} = \frac{2\sqrt{3}}{3}$$

$$-\sin^2 \psi \cdot \cos^2 \psi + \cos^2 \psi \cdot \sin^2 \psi = \sin^2 \theta \quad (f)$$

$$-\frac{1}{r} \times \frac{1}{r} + \frac{\sqrt{r}}{r} \times \frac{\sqrt{r}}{r} = \sin^2 \theta$$

$$-\frac{1}{r} + \frac{r}{r} = \frac{r}{r} = \sin^2 \theta \Rightarrow \sin \theta \cdot \sqrt{\frac{r}{r}} = \pm \frac{\sqrt{r}}{r} \Rightarrow \theta = \frac{\pi}{2}$$

غیر فوکل و اولیہ و ثانیہ و سابع اولیہ

$$\tan \theta = \frac{\frac{\sqrt{r}}{r}}{\frac{\sqrt{r}}{r}} = 1 = \frac{\sin \theta}{\cos \theta}$$

$$\sin^2 \theta + \cos^2 \theta = 1$$

$$\cos^2 \theta = 1 - \frac{r}{r} = \frac{r}{r}$$

$$\cos \theta = \pm \frac{\sqrt{r}}{r}$$

$$r \tan^2 \psi (1 - \tan^2 \psi) = \tan \theta \Rightarrow$$

$$(1 - \cot^2 \psi)^2$$

$$r \left(\frac{1}{\sqrt{r}} \right) \left(1 - \left(\frac{1}{\sqrt{r}} \right)^2 \right)$$

$$\left(1 - \left(\frac{1}{\sqrt{r}} \right)^2 \right) r$$

$$\left(\frac{r}{\sqrt{r}} \right) \left(1 - \frac{1}{r} \right)$$

$$\frac{r}{\sqrt{r}}$$

$$\frac{1}{\sqrt{r}}$$

$$\frac{1}{\sqrt{r}}$$

$$\tan \theta = \frac{r}{\sqrt{r}} \rightarrow \sqrt{r} \rightarrow \frac{1}{\sqrt{r}} = \frac{1}{\sqrt{r}} \sim a = \frac{r}{r} = \left[\frac{r}{r} \right]$$

$$\left[\frac{r}{r} \right] = a = k$$

$$\frac{r}{r} = \sqrt{r}$$

$$1 + \tan^2 \alpha = \frac{1}{\cos^2 \alpha} \Rightarrow F = \frac{1}{r} \rightarrow \cos = \pm \frac{1}{r} \left\{ a = \frac{\pi}{r}, \frac{r\pi}{r} \right.$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

$$\sin^2 \alpha = 1 - \frac{1}{r} = \frac{r}{r}$$

$$\sin \alpha = \frac{\sqrt{r}}{r}$$

$$\frac{r \sin \theta - \cos \theta}{\sin \theta - \cos \theta} = 60$$

$$\sin \theta - \cos \theta$$

$$\frac{\tan \theta}{r \sin \theta} = 1$$

$$\frac{\cos \theta}{\sin \theta} = f$$

$$\frac{\sin \theta}{\cos \theta} = f$$

$$\frac{r \times 0 - 1}{0 - 1} = 11$$

Arman

