

$$\frac{\tan(30^\circ) \cot(45^\circ) + \tan(60^\circ)}{\sin(18^\circ)} \quad (10)$$

$$\frac{-\sqrt{3} \times \frac{\sqrt{3}}{2}}{\frac{\sqrt{2}}{2}}$$

$$= \frac{\frac{3}{2}}{\frac{\sqrt{2}}{2}} = 0$$

نوٹس اردو سی ۵ یا ۴ رقم سری (B)

$$\sin^2 \alpha + \cos^2 \alpha = 1 \quad \sin \alpha = \frac{3}{4}$$

(9)

$$\sin \alpha = -\frac{\sqrt{10}}{2} \quad \text{Kunst}$$

$$\tan^2 \alpha = \left(\frac{-\frac{\sqrt{10}}{2}}{\frac{2}{2}} \right)^2 = 1 \quad \tan \alpha = \frac{\sqrt{10}}{2}$$

نورسین اریسه

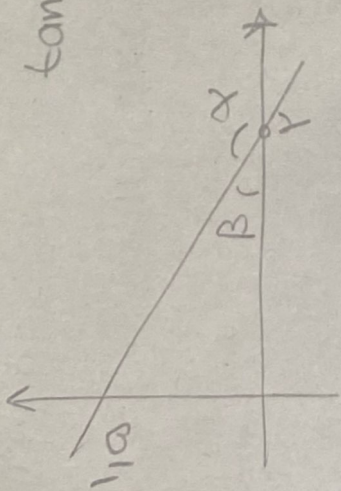
(8) Sympasse

$$\frac{\sin \left(\frac{\pi}{2} + \alpha \right) - \sin (\alpha - \pi)}{|\tan \alpha - 1|} = \frac{\cos \alpha - \sin \alpha}{|\tan \alpha - 1|}$$

$$\frac{\frac{2}{2} + \frac{\sqrt{10}}{2}}{|\frac{2}{2} - 1|} = \frac{1 + \frac{\sqrt{10}}{2}}{1}$$

(10)

(11)



$$\tan(\frac{\pi}{2} - \alpha) = \cot \alpha = -\frac{4}{13}$$

$$\cot \beta = \frac{4}{110} = \frac{2}{11}$$

$$\sin \alpha = 4 \cos \alpha$$

$$\cos \alpha = ?$$

$$\sin^2 \alpha + \cos^2 \alpha = 1 \quad \text{and} \quad \tan^2 \alpha + \cos^2 \alpha = 1$$

$$-\frac{16}{4} < 4 < \frac{16}{4}$$

$$\frac{16}{4} < 4 < \frac{16}{4}$$

$$\frac{16}{4} < 4 < \frac{16}{4}$$

$$1 > \frac{m}{2+m} > 0 \quad \text{and} \quad m < 1$$

(2)

نوسین اوریسی

یازده سوسری

(1)

$$\cos \alpha = \frac{1}{5}$$

$$\cos \alpha = \frac{1}{\sqrt{5}}$$

(B)