tand co

< tend >0

$$\cos \alpha \ \text{e} \ \tan \alpha; \qquad \sin \alpha = \frac{5}{13}, \frac{\pi}{2} < \alpha < \pi.$$

$$\cos \alpha = \pm \sqrt{1 - \sin^2 \alpha}$$

$$|V(EVE) = R_{EVE} = R_{EVE}$$

$$\cos \alpha = -\sqrt{1 - \sin^2 \alpha} = -\sqrt{1 - \left(\frac{5}{13}\right)^2} =$$

$$= -\sqrt{1 - \frac{25}{163}} = -\sqrt{\frac{144}{163}} = -\frac{12}{13} \quad \text{tand} = \frac{5 \text{ind}}{6000} = \frac{5}{13} = -\frac{12}{12}$$

$$tand = \frac{\sin \alpha}{13} = \frac{5}{12}$$

$$\frac{12}{12} = \frac{5}{12}$$

Sind 40

Cost 60

(02 d 40

289
$$\sin\alpha$$
 e $\tan\alpha$;

sin
$$\alpha$$
 e tan α ; $\cos \alpha = -\frac{33}{65}, \pi < \alpha < \frac{3}{2}\pi$.

$$\sin \alpha = -\sqrt{1 - \left(-\frac{33}{65}\right)^2} =$$

$$= -\sqrt{1 - \frac{1083}{4225}} =$$

$$=-\sqrt{\frac{3136}{4225}}=-\frac{56}{65}$$

$$tay d = \frac{56}{65}$$
 $\frac{56}{65}$ $\frac{56}{65}$ $\frac{33}{65}$ $\frac{33}{65}$

$$\frac{1}{2} \sec 45^{\circ} - \cos 45^{\circ} - 2\cos^{2}30^{\circ} + \sqrt{3} \csc 60^{\circ} - 3 \tan 30^{\circ} + 3 \cot 60^{\circ} = \frac{1}{2} \cdot \frac{1}{2} \sec 45^{\circ} - \frac{\sqrt{2}}{2} - 2 (\frac{\sqrt{3}}{2})^{2} + \sqrt{3} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} = 2 (\frac{\sqrt{3}}{2})^{2} + \sqrt{3} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \cdot \frac{1}{2} - \frac{1}{2} \cdot \frac{1}{2} - \frac{1}{2} \cdot \frac{1}{2} + \frac{1}{2} \cdot \frac{1}{2} = \frac{1}{2} \cdot \frac{1}{2} =$$

VERIFICATE L'INESTITA

309
$$\cos^2\alpha - \sin^2\alpha = \frac{1 - \tan^2\alpha}{1 + \tan^2\alpha}$$
 $(1 + \tan^2\alpha) \left(\cos^2\alpha - \sin^2\alpha\right) = 1 - \tan^2\alpha$
 $(1 + \tan^2\alpha) \left(\cos^2\alpha - \sin^2\alpha\right) = 1 - \tan^2\alpha$
 $\left(1 + \frac{\sin^2\alpha}{\cos^2\alpha}\right) \left(\cos^2\alpha - \sin^2\alpha\right) = 1 - \tan^2\alpha$
 $\left(\frac{\cos^2\alpha + \sin^2\alpha}{\cos^2\alpha}\right) \left(\cos^2\alpha - \sin^2\alpha\right) = 1 - \tan^2\alpha$
 $\left(\frac{\cos^2\alpha + \sin^2\alpha}{\cos^2\alpha}\right) \left(\cos^2\alpha - \sin^2\alpha\right) = 1 - \tan^2\alpha$
 $\left(\frac{\cos^2\alpha - \sin^2\alpha}{\cos^2\alpha}\right) = 1 - \tan^2\alpha$
 $\left(\frac{\cos^2\alpha - \sin^2\alpha}{\cos$