TRIG REVIEW

$$\frac{4\pi}{3} - \cot^{2}(\frac{-5\pi}{6}) = -\frac{1}{2} - (\frac{1}{2})^{2} + \frac{1}{2} \cdot \frac{1}{2}$$

$$\frac{-1}{2} - (\frac{1}{2})^{2} + \frac{1}{2} \cdot \frac{1}{2}$$

$$= \frac{-1}{2} - \frac{3}{2} = +\frac{7}{2} \cdot \frac{1}{2}$$

$$= \frac{+7}{2} + \frac{7}{2} \cdot \frac{1}{2}$$

$$= \frac{1}{2} \cdot \frac{7}{2} \cdot \frac{1}{2}$$

$$= \frac{7}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$$

Find the angles where:

$$\cos \theta = -\frac{\sqrt{3}}{2}$$

Solution

$$\frac{1}{3} A = \frac{7}{3} + \csc B = -\frac{3}{7} + \frac{7}{3} + \frac{2}{3} + \frac{7}{3}$$
Find  $\cos (A - B)$ .
$$\frac{1}{7} = 26$$

$$-7 = 26$$

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$$\cos (A - B) = \cos A \cos B + \sin A \sin B$$

$$\left(-\frac{3}{7}\right) \left(\frac{27}{3}\right) + \left(-\frac{7}{7}\right) \left(\frac{7}{3}\right)$$

$$\frac{-6\sqrt{3}}{3} + 7$$

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$$CSC \theta = \frac{1}{SIN \theta} \qquad tan \theta = \frac{Sin \theta}{Cas \theta} \qquad Sin^2 \theta + cos^2 \theta = 1$$

$$Soc \theta = \frac{1}{Cor \theta} \qquad Cos \theta = \frac{1}{Sin \theta} \qquad (+ cos^2 \theta = cs^2 \theta)$$

$$Cod \theta = \frac{1}{tan \theta}$$

$$y = a - (bx+c)+d$$

$$sin \qquad sec \qquad tan \qquad cos$$

$$amp \quad |a| \qquad NA \qquad NA$$

$$penod \quad \frac{2\pi}{b} \qquad \frac{2\pi}{b} \qquad \frac{7}{b}$$

$$p.s. \quad bx+c=0 \qquad 1 \qquad 1$$

$$V.s. \qquad d \qquad 1$$

