

Answer on Question #46597 – Math – Trigonometry

Prove-

$$\sin^3 A * \sin^3(120+A) * \sin^3(240+A) = \frac{3}{4} \cos 3A$$

Solution.

This equality is not true, because

for $A = 0$, $\sin A = 0$, $\cos A = 1$, and we have $0 = \frac{3}{4}$