





$$\sin\left[\arctan\left(-\frac{4}{3}\right)\right] \stackrel{?}{=}$$

$$sin \left[\arctan\left(-\frac{4}{3}\right)\right] = sin \left[-\arctan\left(\frac{4}{3}\right)\right] = -\sin\left[\arctan\frac{4}{3}\right]$$

$$sin(acton \frac{4}{3}) = ?$$

ton
$$d = \frac{\sin a}{\cos a}$$
 ton² $d = \frac{\sin^2 a}{\cos^2 a}$ ton² $d = \frac{\sin^2 a}{1 - \sin^2 a}$

Sind =
$$\pm \sqrt{\frac{\tan^2 k}{1 + \tan^2 k}}$$

Sin (orctan
$$\frac{4}{3}$$
) = $+\sqrt{\frac{\tan^2(\arctan\frac{4}{3})}{1+\tan^2(\arctan\frac{4}{3})}}$ = $-\sqrt{\frac{(\frac{4}{3})^2}{(\frac{4}{3})^2}}$ =

$$= \sqrt{\frac{16}{3}} = \sqrt{\frac{16}{25}} = \sqrt{\frac{16}{25}} = \frac{4}{5}$$

$$1 + \frac{16}{3} = \sqrt{\frac{25}{25}} = \frac{4}{5}$$