

$\bar{a} \cdot \bar{b} =  \bar{a}  \cdot  \bar{b}  \cdot \cos\varphi$	$\bar{a} \pm \bar{b} = (a_1 \pm b_1, a_2 \pm b_2, a_3 \pm b_3)$
$ \bar{b}  \cdot \cos\varphi = \text{proj}_{\bar{a}} \bar{b}$	$M_{\bar{a}} = (ma_1, ma_2, ma_3)$
$\bar{a} \cdot \bar{b} =  \bar{a}  \cdot \text{proj}_{\bar{a}} \bar{b}$	$S = (-  - (\bar{a} \pm \bar{b}/2))$
$a^2 = b^2 + c^2 - 2bc \cdot \cos\alpha$	$T = (a_1 + b_2 + c_3 / 3 \dots)$
$ \bar{a}  = \{\bar{a} \cdot \bar{a}\}$	$\bar{a} \cdot \bar{b} = a_1 b_1 + a_2 b_2 + a_3 b_3$
$ \bar{a}  = \{(a_1^2 + a_2^2 + a_3^2)\}$	$k_1 = 1/k_2$
$\bar{a}_e = (1/ \bar{a} ) \cdot \bar{a}$	$a_1 - x = x'$
$ AB  = \{(x_2 - x_1)^2 + (y_2 - y_1)^2\}$	$a_2 - y = y'$
$\cos\varphi = \bar{a} \cdot \bar{b} / ( \bar{a}  \cdot  \bar{b} )$	$a_3 - z = z'$

<i>II. kvadrant (90°-180°)</i>	<i>III. kvadrant (180°-270°)</i>	<i>IV. kvadrant (270°-360°)</i>
$\sin(180^\circ - \alpha) = \sin \alpha$	$\sin(180^\circ + \alpha) = -\sin \alpha$	$\sin(360^\circ - \alpha) = -\sin \alpha$
$\cos(180^\circ - \alpha) = -\cos \alpha$	$\cos(180^\circ + \alpha) = -\cos \alpha$	$\cos(360^\circ - \alpha) = \cos \alpha$
$\tan(180^\circ - \alpha) = -\tan \alpha$	$\tan(180^\circ + \alpha) = \tan \alpha$	$\tan(360^\circ - \alpha) = -\tan \alpha$
$\cot(180^\circ - \alpha) = -\cot \alpha$	$\cot(180^\circ + \alpha) = \cot \alpha$	$\cot(360^\circ - \alpha) = -\cot \alpha$

$\tan\alpha = \sin\alpha / \cos\alpha$	$\cot\alpha = \cos\alpha / \sin\alpha$	$\tan\alpha \cdot \cot\alpha = 1$
$\sin^2\alpha + \cos^2\alpha = 1$	$1 + \cot^2\alpha = 1 / \sin^2\alpha$	$1 + \tan^2\alpha = 1 / \cos^2\alpha$