Formule trigonometrice pentru suma și diferența a două unghiuri

$$\cos(a+b)=\cos a\cos b-\sin a\sin b$$
$$\cos(a-b)=\cos a\cos b+\sin a\sin b$$
$$\sin(a+b)=\sin a\cos b+\cos a\sin b$$
$$\sin(a-b)=\sin a\cos b-\cos a\sin b,\ \forall a,b\in\mathbb{R}.$$

$$tg(a+b)=\frac{tga+tgb}{1-tgatgb},\ \forall\ a,b,a+b\in\mathbb{R}-\left\{(2k+1)\frac{\pi}{2}|k\in\mathbb{Z}\right\}$$
$$tg(a-b)=\frac{tga-tgb}{1+tgatgb},\ \forall\ a,b,a-b\in\mathbb{R}-\left\{(2k+1)\frac{\pi}{2}|k\in\mathbb{Z}\right\}$$