



RUMUS-RUMUS TRIGONOMETRI

Oleh: Dwi Devitasari

NAMA :

KELAS :

TANGGAL :

$$\sin(\alpha + \beta)$$

$$\sin(\alpha - \beta)$$

$$\cos(\alpha + \beta)$$

$$\cos(\alpha - \beta)$$

$$\tan(\alpha + \beta)$$

$$\tan(\alpha - \beta)$$

$$\sin 2\alpha$$

$$\cos 2\alpha$$

$$\tan 2\alpha$$

$$\cos \alpha \cos \beta - \sin \alpha \sin \beta$$

$$\frac{\tan \alpha + \tan \beta}{1 - \tan \alpha \tan \beta}$$

$$\sin \alpha \cos \beta - \cos \alpha \sin \beta$$

$$\frac{\tan \alpha - \tan \beta}{1 + \tan \alpha \tan \beta}$$

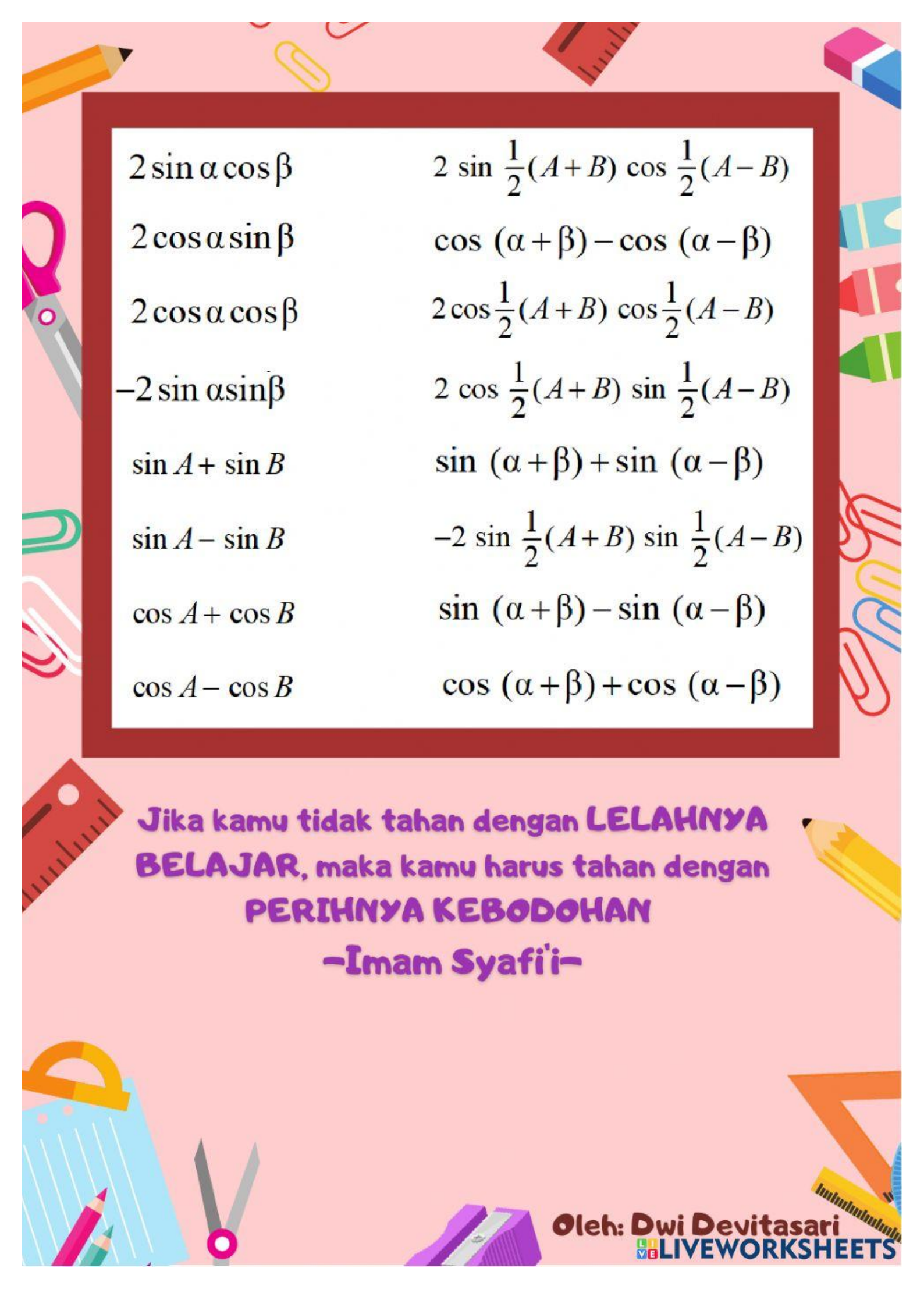
$$\cos \alpha \cos \beta + \sin \alpha \sin \beta$$

$$\sin \alpha \cos \beta + \cos \alpha \sin \beta$$

$$\frac{2 \tan \alpha}{1 - \tan^2 \alpha}$$

$$2 \sin \alpha \cos \alpha$$

$$1 - 2 \sin^2 \alpha$$



$2 \sin \alpha \cos \beta$	$2 \sin \frac{1}{2}(A+B) \cos \frac{1}{2}(A-B)$
$2 \cos \alpha \sin \beta$	$\cos (\alpha+\beta)-\cos (\alpha-\beta)$
$2 \cos \alpha \cos \beta$	$2 \cos \frac{1}{2}(A+B) \cos \frac{1}{2}(A-B)$
$-2 \sin \alpha \sin \beta$	$2 \cos \frac{1}{2}(A+B) \sin \frac{1}{2}(A-B)$
$\sin A+\sin B$	$\sin (\alpha+\beta)+\sin (\alpha-\beta)$
$\sin A-\sin B$	$-2 \sin \frac{1}{2}(A+B) \sin \frac{1}{2}(A-B)$
$\cos A+\cos B$	$\sin (\alpha+\beta)-\sin (\alpha-\beta)$
$\cos A-\cos B$	$\cos (\alpha+\beta)+\cos (\alpha-\beta)$

Jika kamu tidak tahan dengan **LELAHNYA
BELAJAR, maka kamu harus tahan dengan
PERIHNYA KEBODOHAN
-Imam Syafii-**