



1

① + =

② = $\frac{\text{}}{\text{}}$

③ + = $\frac{\text{}}{\text{}}$

2

$\cos \theta = \text{}$ (線)

$\sin \theta = \text{}$ (線)

$\tan \theta = \frac{\text{}}{\text{}}$ ()

3

$\sin(\alpha + \beta) = \text{}$

$\cos(\alpha + \beta) = \text{}$

$\tan(\alpha + \beta) = \text{}$

$\sin(\alpha - \beta) = \text{}$

$\cos(\alpha - \beta) = \text{}$

$\tan(\alpha - \beta) = \text{}$

4

$\sin 2\theta = \text{}$

$\cos 2\theta = \text{}$

$\cos 2\theta = \text{}$

$\cos 2\theta = \text{}$

$\tan 2\theta = \text{}$

6

$\sin 3\theta = \text{}$

$\cos 3\theta = \text{}$

5

$\sin^2 \alpha =$

$\cos^2 \alpha =$

$\tan^2 \alpha =$

$\sin^2 \frac{\alpha}{2} =$

$\cos^2 \frac{\alpha}{2} =$

$\tan^2 \frac{\alpha}{2} =$

1

$$\left\{ \begin{array}{l} \sin 2\theta = \sin(\square + \square) = \\ \cos 2\theta = \cos(\square + \square) = \\ \tan 2\theta = \tan(\square + \square) = \end{array} \right.$$

2

$$\left\{ \begin{array}{l} \sin 3\theta = \sin(\square + \square) = \\ \cos 3\theta = \cos(\square + \square) = \end{array} \right.$$

$$\boxed{1} \left\{ \begin{array}{l} \sin(\theta + 30^\circ) = \\ \cos(\theta + 45^\circ) = \\ \sin(\theta + 150^\circ) = \\ \cos(\theta + 120^\circ) = \\ \sin(\theta + 210^\circ) = \\ \cos(\theta + 240^\circ) = \\ \cos(\theta + 225^\circ) = \\ \sin(\theta + 315^\circ) = \\ \cos(\theta + 300^\circ) = \end{array} \right.$$

$$\boxed{2} \left\{ \begin{array}{l} \sin\left(\theta + \frac{\pi}{4}\right) = \\ \cos\left(\theta + \frac{\pi}{3}\right) = \\ \cos\left(\theta + \frac{\pi}{6}\right) = \\ \sin\left(\theta + \frac{3}{4}\pi\right) = \\ \cos\left(\theta + \frac{5}{6}\pi\right) = \end{array} \right.$$

$$\boxed{3} \left\{ \begin{array}{l} \sin\left(\theta + \frac{5}{3}\pi\right) = \\ \cos\left(\theta + \frac{\pi}{4}\right) = \\ \sin\left(\theta + \frac{4}{3}\pi\right) = \\ \cos\left(\theta + \frac{11}{6}\pi\right) = \end{array} \right.$$

$$\boxed{1} \begin{cases} \cos(-\theta) = \\ \sin(-\theta) = \\ \tan(-\theta) = \end{cases}$$

$$\boxed{2} \begin{cases} \cos(\theta + \frac{\pi}{2}) = \\ \sin(\theta + \frac{\pi}{2}) = \\ \tan(\theta + \frac{\pi}{2}) = \end{cases}$$

$$\boxed{3} \begin{cases} \cos(\theta + \pi) = \\ \sin(\theta + \pi) = \\ \tan(\theta + \pi) = \end{cases}$$

$$\boxed{4} \begin{cases} \cos(\theta + \frac{3}{2}\pi) = \\ \sin(\theta + \frac{3}{2}\pi) = \\ \tan(\theta + \frac{3}{2}\pi) = \end{cases}$$