1. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\cos(\theta+\pi)=$

(2) $\cos(\theta+2\pi)=$

(3) $\sin(\theta-\pi)=$

(4) $\cos(-\theta)=$

(5) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(6) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(7) $\sin(\theta+\pi)=$

(8) $\sin(\theta+2\pi)=$

(9) $\cos(\theta+\pi)=$

(10) $\sin(\theta-\pi)=$

(11) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

(12) $\cos(-\theta)=$

(13) $\cos(\theta+2\pi)=$

(14) $\cos(\theta-\pi)=$

(15) $\sin(\theta+\pi)=$

(16) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(17) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

(18) $\cos(\theta+\pi)=$

$\tan\theta$ で表しましょう。

(19) $\tan\left(\theta-\dfrac{\pi}{2}\right)=$

(20) $\tan(\theta-\pi)=$

(21) $\tan\left(\theta+\dfrac{\pi}{2}\right)=$

(22) $\tan(-\theta)=$

(23) $\tan(\theta+\pi)=$

(24) $\tan(\theta+2\pi)=$

2. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\sin(\theta-\pi)=$

(2) $\cos(-\theta)=$

(3) $\sin(-\theta)=$

(4) $\sin(\theta+\pi)=$

(5) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(6) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(7) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(8) $\cos(\theta-\pi)=$

(9) $\sin(-\theta)=$

(10) $\cos(\theta+\pi)=$

(11) $\sin(\theta+2\pi)=$

(12) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(13) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(14) $\cos(\theta-\pi)=$

(15) $\sin(\theta+\pi)=$

(16) $\cos(\theta+\pi)=$

(17) $\sin(\theta-\pi)=$

(18) $\sin(\theta+2\pi)=$

$\tan\theta$ で表しましょう。

(19) $\tan(\theta-\pi)=$

(20) $\tan\left(\theta+\dfrac{\pi}{2}\right)=$

(21) $\tan(-\theta)=$

(22) $\tan(\theta+\pi)=$

(23) $\tan\left(\theta-\dfrac{\pi}{2}\right)=$

(24) $\tan(\theta+2\pi)=$

3. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(2) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(3) $\sin(-\theta)=$

(4) $\cos(-\theta)=$

(5) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(6) $\cos(\theta+\pi)=$

(7) $\cos(\theta-\pi)=$

(8) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(9) $\sin(\theta+2\pi)=$

(10) $\sin(\theta-\pi)=$

(11) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(12) $\cos(\theta+2\pi)=$

(13) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(14) $\cos(-\theta)=$

(15) $\sin(\theta+2\pi)=$

(16) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(17) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

(18) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

$\tan\theta$ で表しましょう。

(19) $\tan(\theta-\pi)=$

(20) $\tan(-\theta)=$

(21) $\tan(\theta+\pi)=$

(22) $\tan\left(\theta+\dfrac{\pi}{2}\right)=$

(23) $\tan\left(\theta-\dfrac{\pi}{2}\right)=$

(24) $\tan(\theta-\pi)=$

4. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\sin(\theta+\pi) =$

(2) $\cos\left(\theta+\dfrac{\pi}{2}\right) =$

(3) $\cos(\theta+2\pi) =$

(4) $\sin(\theta-\pi) =$

(5) $\cos(\theta+\pi) =$

(6) $\sin(-\theta) =$

(7) $\sin(\theta+\pi) =$

(8) $\cos(-\theta) =$

(9) $\cos\left(\theta+\dfrac{\pi}{2}\right) =$

(10) $\cos\left(\theta-\dfrac{\pi}{2}\right) =$

(11) $\sin(\theta-\pi) =$

(12) $\sin(-\theta) =$

(13) $\sin\left(\theta+\dfrac{\pi}{2}\right) =$

(14) $\cos(\theta+\pi) =$

(15) $\cos(-\theta) =$

(16) $\cos\left(\theta-\dfrac{\pi}{2}\right) =$

(17) $\cos(\theta+2\pi) =$

(18) $\sin(\theta+\pi) =$

$\tan\theta$ で表しましょう。

(19) $\tan(\theta+2\pi) =$

(20) $\tan(\theta+\pi) =$

(21) $\tan(-\theta) =$

(22) $\tan\left(\theta-\dfrac{\pi}{2}\right) =$

(23) $\tan(\theta-\pi) =$

(24) $\tan(\theta+2\pi) =$

5. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\sin(\theta + 2\pi) =$

(2) $\sin\left(\theta - \dfrac{\pi}{2}\right) =$

(3) $\cos\left(\theta + \dfrac{\pi}{2}\right) =$

(4) $\cos(-\theta) =$

(5) $\sin(-\theta) =$

(6) $\cos(\theta + 2\pi) =$

(7) $\cos(\theta - \pi) =$

(8) $\sin\left(\theta + \dfrac{\pi}{2}\right) =$

(9) $\cos(\theta + \pi) =$

(10) $\sin(\theta + \pi) =$

(11) $\sin(\theta + 2\pi) =$

(12) $\cos\left(\theta + \dfrac{\pi}{2}\right) =$

(13) $\cos\left(\theta - \dfrac{\pi}{2}\right) =$

(14) $\sin(-\theta) =$

(15) $\sin\left(\theta - \dfrac{\pi}{2}\right) =$

(16) $\cos(\theta - \pi) =$

(17) $\sin(\theta - \pi) =$

(18) $\cos(\theta + 2\pi) =$

$\tan\theta$ で表しましょう。

(19) $\tan(\theta + \pi) =$

(20) $\tan(-\theta) =$

(21) $\tan\left(\theta - \dfrac{\pi}{2}\right) =$

(22) $\tan\left(\theta + \dfrac{\pi}{2}\right) =$

(23) $\tan(\theta + 2\pi) =$

(24) $\tan(\theta + \pi) =$

6. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(2) $\sin(\theta+2\pi)=$

(3) $\cos(-\theta)=$

(4) $\sin(\theta+\pi)=$

(5) $\cos(\theta+\pi)=$

(6) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(7) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(8) $\sin(\theta+2\pi)=$

(9) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

(10) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(11) $\cos(\theta+2\pi)=$

(12) $\cos(-\theta)=$

(13) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(14) $\sin(-\theta)=$

(15) $\sin(\theta+2\pi)=$

(16) $\sin\left(\theta+\dfrac{\pi}{2}\right)=$

(17) $\sin(\theta-\pi)=$

(18) $\cos(\theta+2\pi)=$

$\tan\theta$ で表しましょう。

(19) $\tan(\theta-\pi)=$

(20) $\tan\left(\theta-\dfrac{\pi}{2}\right)=$

(21) $\tan\left(\theta+\dfrac{\pi}{2}\right)=$

(22) $\tan(\theta+2\pi)=$

(23) $\tan(\theta+\pi)=$

(24) $\tan(\theta-\pi)=$

7. $\sin\theta\ \cos\theta\ \tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(2) $\cos(\theta-\pi)=$

(3) $\sin(\theta+2\pi)=$

(4) $\sin(-\theta)=$

(5) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

(6) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(7) $\sin\left(\theta-\dfrac{\pi}{2}\right)=$

(8) $\sin(\theta+\pi)=$

(9) $\cos(\theta-\pi)=$

(10) $\sin(\theta+2\pi)=$

(11) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

(12) $\cos(\theta+2\pi)=$

(13) $\sin(-\theta)=$

(14) $\cos\left(\theta+\dfrac{\pi}{2}\right)=$

(15) $\sin(\theta-\pi)=$

(16) $\sin(\theta+2\pi)=$

(17) $\cos(\theta-\pi)=$

(18) $\cos\left(\theta-\dfrac{\pi}{2}\right)=$

$\tan\theta$ で表しましょう。

(19) $\tan(-\theta)=$

(20) $\tan\left(\theta-\dfrac{\pi}{2}\right)=$

(21) $\tan(\theta+2\pi)=$

(22) $\tan\left(\theta+\dfrac{\pi}{2}\right)=$

(23) $\tan(\theta+\pi)=$

(24) $\tan(\theta-\pi)=$

8. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\sin(\theta+\pi) =$

(2) $\sin(-\theta) =$

(3) $\sin\left(\theta-\frac{\pi}{2}\right) =$

(4) $\cos(-\theta) =$

(5) $\sin(\theta-\pi) =$

(6) $\cos(\theta+\pi) =$

(7) $\cos\left(\theta+\frac{\pi}{2}\right) =$

(8) $\sin(\theta+\pi) =$

(9) $\cos(\theta+2\pi) =$

(10) $\cos(-\theta) =$

(11) $\sin(-\theta) =$

(12) $\sin\left(\theta+\frac{\pi}{2}\right) =$

(13) $\cos\left(\theta-\frac{\pi}{2}\right) =$

(14) $\cos(\theta-\pi) =$

(15) $\sin(\theta+2\pi) =$

(16) $\cos(-\theta) =$

(17) $\sin\left(\theta-\frac{\pi}{2}\right) =$

(18) $\sin(-\theta) =$

$\tan\theta$ で表しましょう。

(19) $\tan\left(\theta-\frac{\pi}{2}\right) =$

(20) $\tan(\theta+2\pi) =$

(21) $\tan\left(\theta+\frac{\pi}{2}\right) =$

(22) $\tan(-\theta) =$

(23) $\tan(\theta-\pi) =$

(24) $\tan\left(\theta-\frac{\pi}{2}\right) =$

9. $\sin\theta$ $\cos\theta$ $\tan\theta$ の変化

$\sin\theta, \cos\theta$ で表しましょう。

(1) $\cos\left(\theta - \frac{\pi}{2}\right) =$

(2) $\sin\left(\theta + \frac{\pi}{2}\right) =$

(3) $\cos(\theta + 2\pi) =$

(4) $\sin(\theta + 2\pi) =$

(5) $\cos(-\theta) =$

(6) $\sin(\theta + \pi) =$

(7) $\cos(\theta + \pi) =$

(8) $\cos\left(\theta + \frac{\pi}{2}\right) =$

(9) $\cos(\theta + 2\pi) =$

(10) $\cos(\theta - \pi) =$

(11) $\sin\left(\theta + \frac{\pi}{2}\right) =$

(12) $\cos\left(\theta - \frac{\pi}{2}\right) =$

(13) $\sin(\theta - \pi) =$

(14) $\sin(\theta + 2\pi) =$

(15) $\cos\left(\theta + \frac{\pi}{2}\right) =$

(16) $\cos(\theta + \pi) =$

(17) $\cos(\theta - \pi) =$

(18) $\sin(\theta + \pi) =$

$\tan\theta$ で表しましょう。

(19) $\tan(\theta + \pi) =$

(20) $\tan(\theta + 2\pi) =$

(21) $\tan(-\theta) =$

(22) $\tan(\theta - \pi) =$

(23) $\tan\left(\theta + \frac{\pi}{2}\right) =$

(24) $\tan\left(\theta - \frac{\pi}{2}\right) =$