

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

10 of 10

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

100

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\sin^2 u + \cos^2 u = 1$$

}     }

$$\underbrace{\sin^2 x + \cos^2 x = 1}_{\text{10 times}}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}_{\text{恒等式}}$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\overbrace{\sin^2 x + \cos^2 x} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\sin^2 u + \cos^2 u = 1$$

}

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underline{\sin^2 x + \cos^2 x = 1}$$

$$\sin^2 x + \cos^2 x = 1$$

$$\overbrace{\sin^2 x + \cos^2 x} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underline{\sin^2 x + \cos^2 x = 1}$$

$$\underline{\sin^2 x + \cos^2 x = 1}$$

$$\sin^2 x + \cos^2 x = 1$$

$$\overbrace{\sin^2 x + \cos^2 x} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$\{ \}$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underline{\sin^2 x + \cos^2 x = 1}$$

$$\underline{\sin^2 x + \cos^2 x = 1}$$

$$\sin^2 x + \cos^2 x = 1$$

}

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\sin^2 \theta_w + \cos^2 \theta_w = 1$$

$\vdots$  3      3      1

$$+ 3 \quad - 3 \quad - 1$$

$$\underbrace{\sin x + \cos x = 1}_{\text{方程两边相加}}$$

$$\underbrace{\sin x + \cos x - 1}_{=0}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}_{}$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}_{\text{恒等式}}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{\text{sum of squares}} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\overbrace{\quad \quad \quad}^{\text{+ } 2} + \overbrace{\quad \quad \quad}^{\text{+ } 2} = 1$$

$$+3 \quad -3 \quad -1$$

$$+3 \quad -3 \quad -1$$

$$+3 \quad -3 \quad -1$$

THE WOODS

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

$$\sin^2 \theta + \cos^2 \theta = 1$$

$\vdash 3 \quad 3 \vdash 1$

$$\underbrace{\sin x + \cos x}_{\text{Sum}} = 1$$

$$\underbrace{\sin \pi + \cos \pi}_{= 0} = 1$$

$$\underbrace{\sin x + \cos x}_{=1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\{ \quad ? \quad , \quad ? \quad , \quad 1 \}$$

3 3

$$\underbrace{\sin x + \cos x}_{} = 1$$

$$\underbrace{\sin x + \cos x}_{=0} = 1$$

$$\underbrace{\sin x + \cos x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\vdots \quad \vdots \quad \vdots \quad \vdots$$

$\rightarrow$  3      3      1

$$\underbrace{\sin^2 x + \cos^2 x}_{=1} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=1} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\left\{ \begin{array}{cccc} 2 & + & 2 & - \\ \vdots & & \vdots & \end{array} \right\}$$

$\approx 3$

$$\overbrace{\sin \pi + \cos \pi} = 1$$

$$\underbrace{\sin x + \cos x = 1}_{\text{---}}$$

$$\underbrace{\sin x + \cos x = 1}_{\text{Case 1}}$$

$$\underbrace{\sin x + \cos x = 1}_{}$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{\text{Pythagorean Identity}} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\overbrace{\quad \quad \quad}^{\text{+ } 2 \quad + \quad - 2 \quad - 1}$$

$$\left\{ \begin{array}{ccc} 1 & 2 & 3 \\ \downarrow & \downarrow & \downarrow \\ 1 & 2 & 3 \end{array} \right\}$$

1000

$$\underbrace{\sin x + \cos x = 1}_{\text{---}}$$

$$\underbrace{\sin x + \cos x = 1}_{\text{Case 1}}$$

$$\underbrace{\sin x + \cos x - 1}_{=0}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{\text{Pythagorean Identity}} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{\text{Pythagorean Identity}} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

$\vdots$  3      3      1

$\{ \}$

$$\underbrace{\sin \pi + \cos \pi}_{=0}$$

$$\underbrace{\sin x + \cos x - 1}_{=0}$$

$$\underbrace{\sin x + \cos x = 1}_{\text{Case 1}}$$

$$\underbrace{\sin x + \cos x = 1}_{}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \theta + \cos^2 \theta = 1$$

$$\left\{ \begin{array}{ccc} 2 & 3 & -1 \end{array} \right\}$$

— 3 —

$$\underbrace{\sin^2 x + \cos^2 x}_{=1} = 1$$

$$\underbrace{\sin x + \cos x}_2 = 1$$

$$\underbrace{\sin x + \cos x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \theta + \cos^2 \theta = 1$$

$$\left\{ \begin{array}{ccc} 1 & 2 & 3 \\ \downarrow & \downarrow & \downarrow \\ 1 & 2 & 3 \end{array} \right\}$$

$\hat{S}_1 = \hat{S}_2$

$$\underbrace{\sin^2 x + \cos^2 x}_{=1} = 1$$

$$\underbrace{\sin x + \cos x = 1}_{\text{方程两边相加}}$$

$$\underbrace{\sin x + \cos x - 1}_{=0}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 u + \cos^2 u = 1$$

$$\vdots \quad 2 \quad \vdots \quad 2 \quad \vdots \quad 1$$

— 3 —

$$\underbrace{\sin x + \cos x}_{=1}$$

$$\underbrace{\sin x + \cos x - 1}_{=0}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{\text{Pythagorean Identity}} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \theta_w + \cos^2 \theta_w = 1$$

$\vdots$  3      3      1

$\hat{S}_1 = \hat{S}_2$

$$\underbrace{\sin x + \cos x}_{} = 1$$

$$\underbrace{\sin x + \cos x - 1}_{=0}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\overbrace{\sin^2 x + \cos^2 x} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \alpha + \cos^2 \alpha = 1$$

$\vdash 3 \quad 3 \dashv$

$$\underbrace{\sin x + \cos x}_{\rightarrow 2} = 1$$

$$\underbrace{\sin x + \cos x = 1}_{\text{Case 1}}$$

$$\underbrace{\sin x + \cos x - 1}_{\geq 0}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}_{\text{恒等式}}$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{\text{Pythagorean Identity}} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\overbrace{\sin^2 x + \cos^2 x} = 1$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 \theta + \cos^2 \theta = 1$$

$\{ \cdot, \cdot \}$

$$\underbrace{\sin x + \cos x}_0 = 1$$

$$\underbrace{\sin x + \cos x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{=} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x}_{} = 1$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$

$$\underbrace{\sin^2 x + \cos^2 x = 1}$$