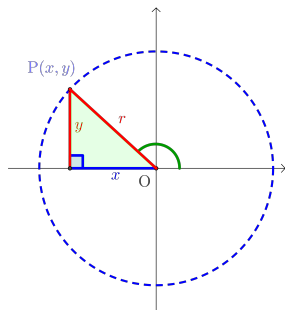


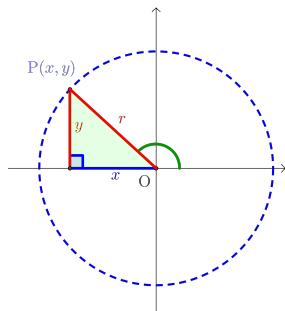
삼각함수 사이의 관계

삼각함수 사이의 관계



삼각함수 사이의 관계

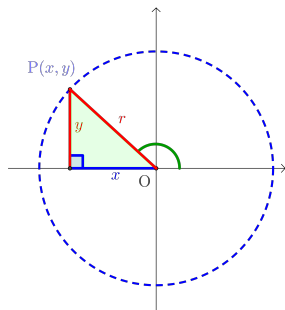
- 역수관계 :



삼각함수 사이의 관계

- 역수관계 :

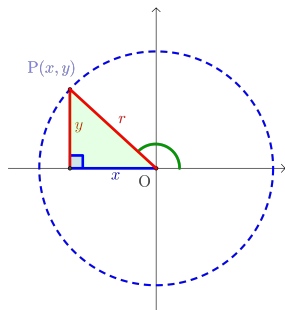
$$\csc \theta =$$



삼각함수 사이의 관계

- 역수관계 :

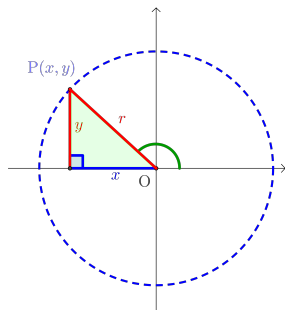
$$\csc \theta = \frac{r}{y}$$



삼각함수 사이의 관계

- 역수관계 :

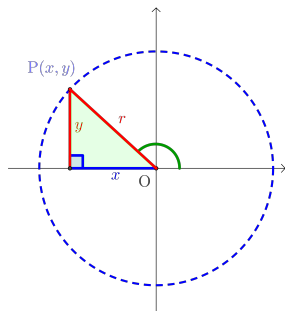
$$\csc \theta = \frac{1}{\frac{y}{r}}$$



삼각함수 사이의 관계

- 역수관계 :

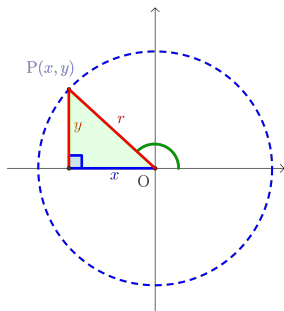
$$\csc \theta = \frac{1}{\sin \theta},$$



삼각함수 사이의 관계

- 역수관계 :

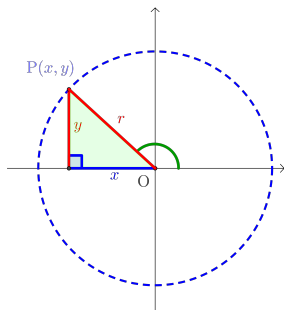
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta =$$



삼각함수 사이의 관계

- 역수관계 :

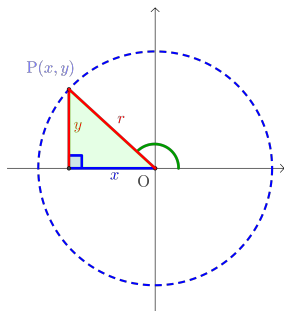
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{r}{x}$$



삼각함수 사이의 관계

- 역수관계 :

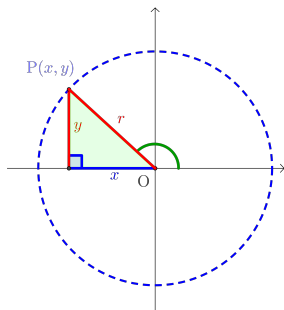
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\frac{x}{r}}$$



삼각함수 사이의 관계

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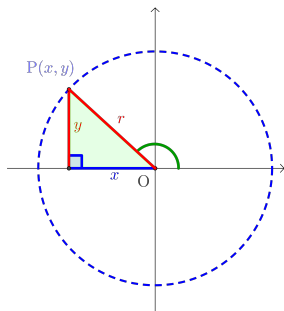
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta},$$



삼각함수 사이의 관계

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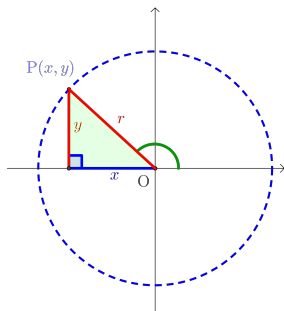
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta =$$



삼각함수 사이의 관계

- 역수관계 :

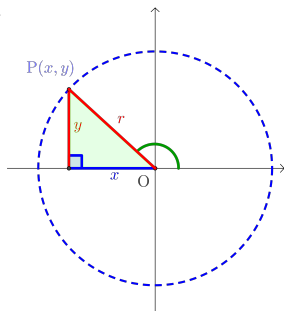
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{x}{y}$$



삼각함수 사이의 관계

- 역수관계 :

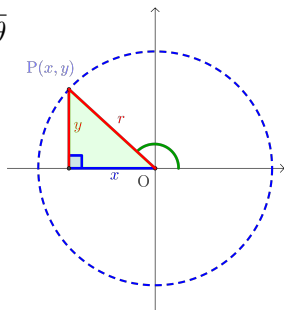
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\frac{y}{x}}$$



삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

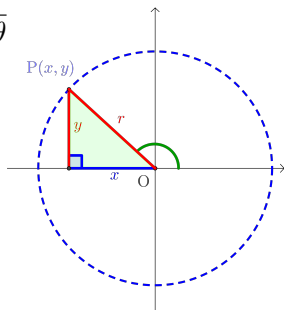


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 :

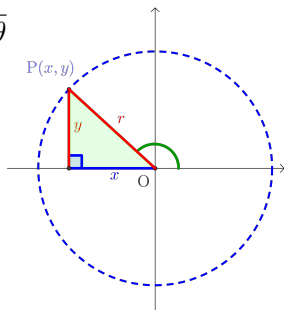


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta =$

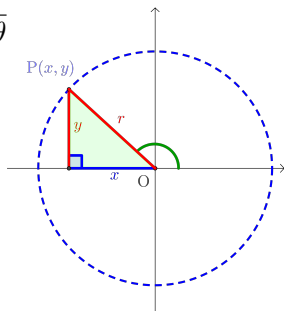


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{y}{x}$

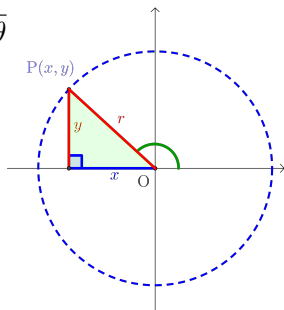


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{y}{x}$

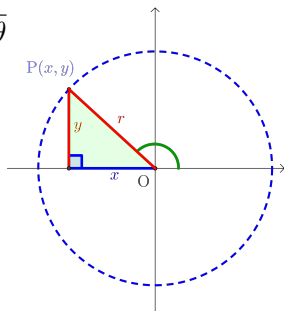


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}$,

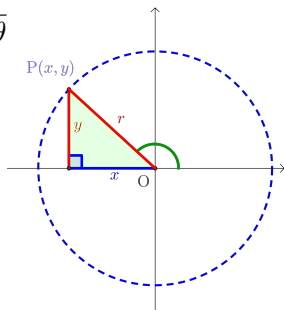


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta =$

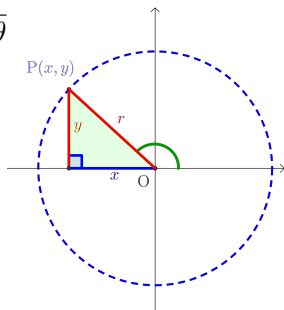


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{x}{y}$

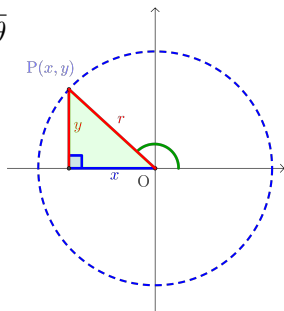


삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\frac{x}{r}}{\frac{y}{r}}$

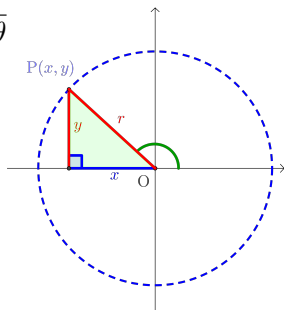


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- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$



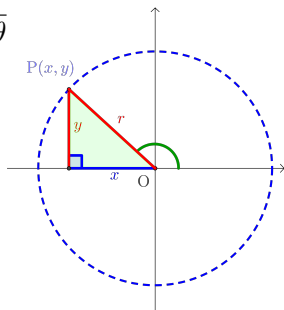
삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

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- 제곱관계 :



삼각함수 사이의 관계

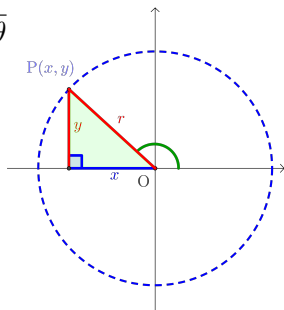
- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$

- 제곱관계 :

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



삼각함수 사이의 관계

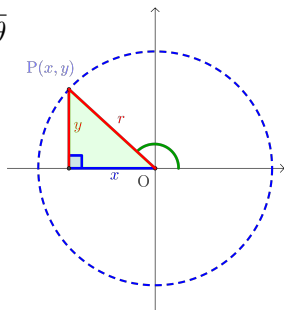
- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$

- 제곱관계 :

$$\begin{aligned} \sin^2 \theta + \cos^2 \theta &= 1 \\ \frac{\sin^2 \theta}{\cos^2 \theta} + \frac{\cos^2 \theta}{\cos^2 \theta} &= \frac{1}{\cos^2 \theta} \end{aligned}$$



삼각함수 사이의 관계

- 역수관계 :

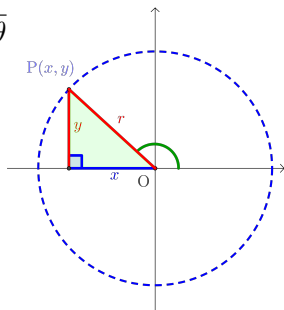
$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$

- 제곱관계 :

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

$$\tan^2 \theta + 1 = \sec^2 \theta$$



삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

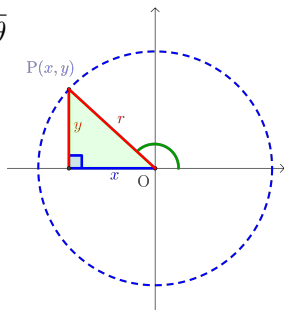
- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$

- 제곱관계 :

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

$$\tan^2 \theta + 1 = \sec^2 \theta$$

$$\frac{\sin^2 \theta}{\sin^2 \theta} + \frac{\cos^2 \theta}{\sin^2 \theta} = \frac{1}{\sin^2 \theta}$$



삼각함수 사이의 관계

- 역수관계 :

$$\csc \theta = \frac{1}{\sin \theta}, \quad \sec \theta = \frac{1}{\cos \theta}, \quad \cot \theta = \frac{1}{\tan \theta}$$

- 상제관계 : $\tan \theta = \frac{\sin \theta}{\cos \theta}, \quad \cot \theta = \frac{\cos \theta}{\sin \theta}$

- 제곱관계 :

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

$$\tan^2 \theta + 1 = \sec^2 \theta$$

$$1 + \cot^2 \theta = \csc^2 \theta$$

