삼각함수의 보각공식
(Supplementary angle Identities of trigonometric functions)

Supplementary angle Identities of trigonometric functions

Start End

Supplementary angle Identities of trigonometric functions

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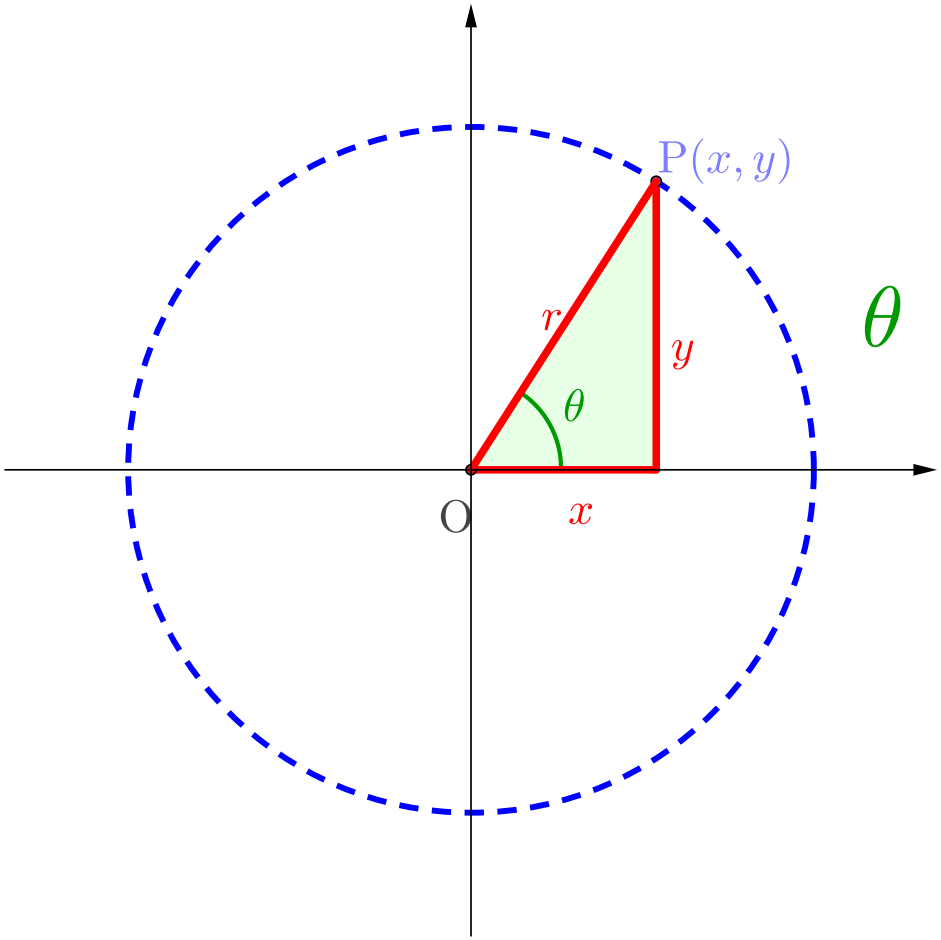
Supplementary angle Identities of trigonometric functions

Start End



Supplementary angle Identities of trigonometric functions

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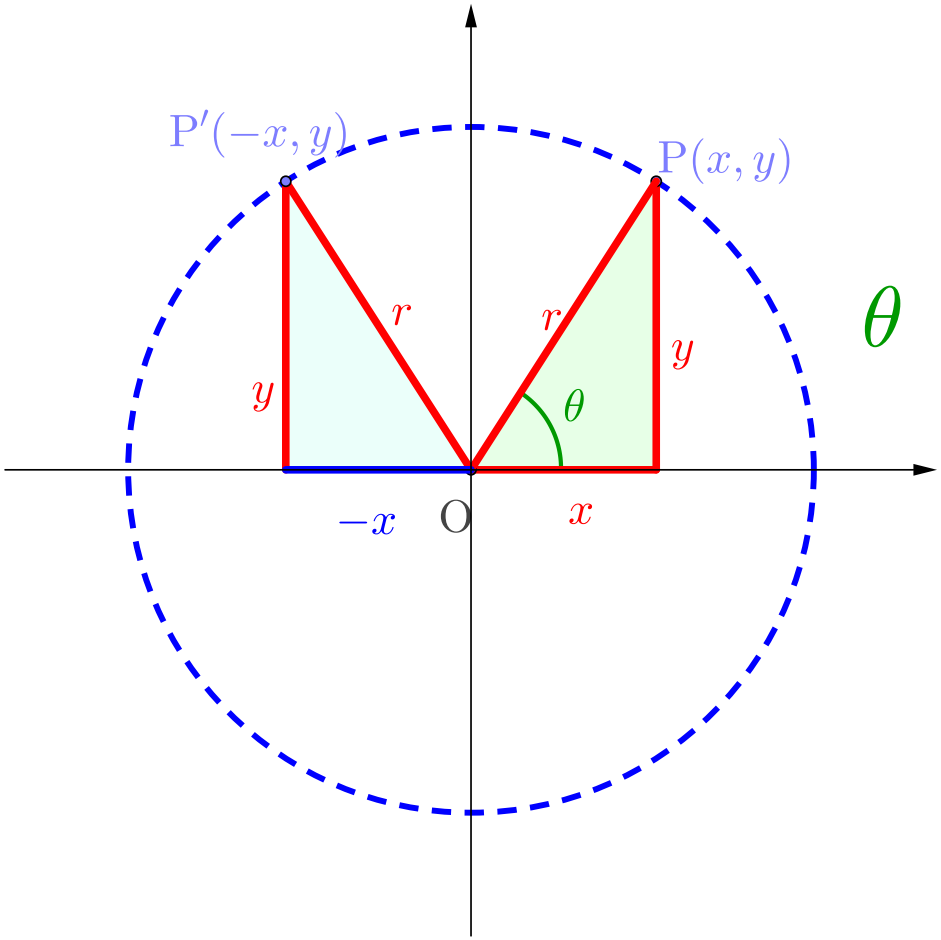

Supplementary angle Identities of trigonometric functions

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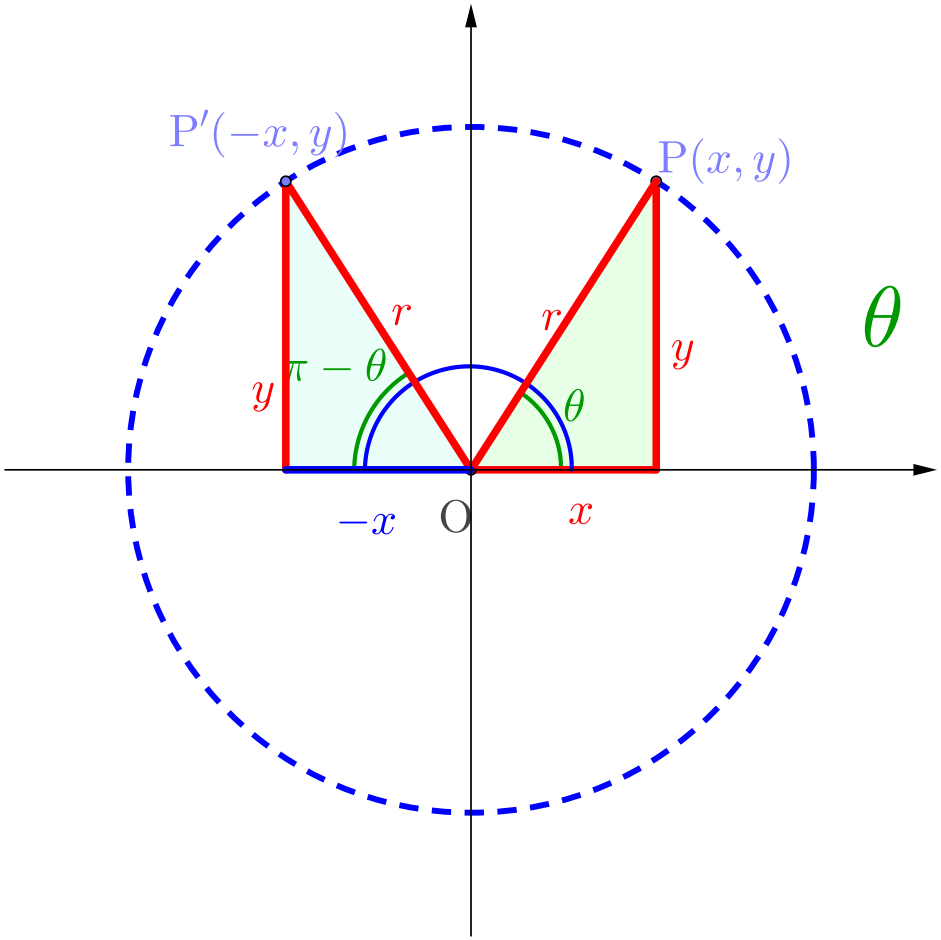

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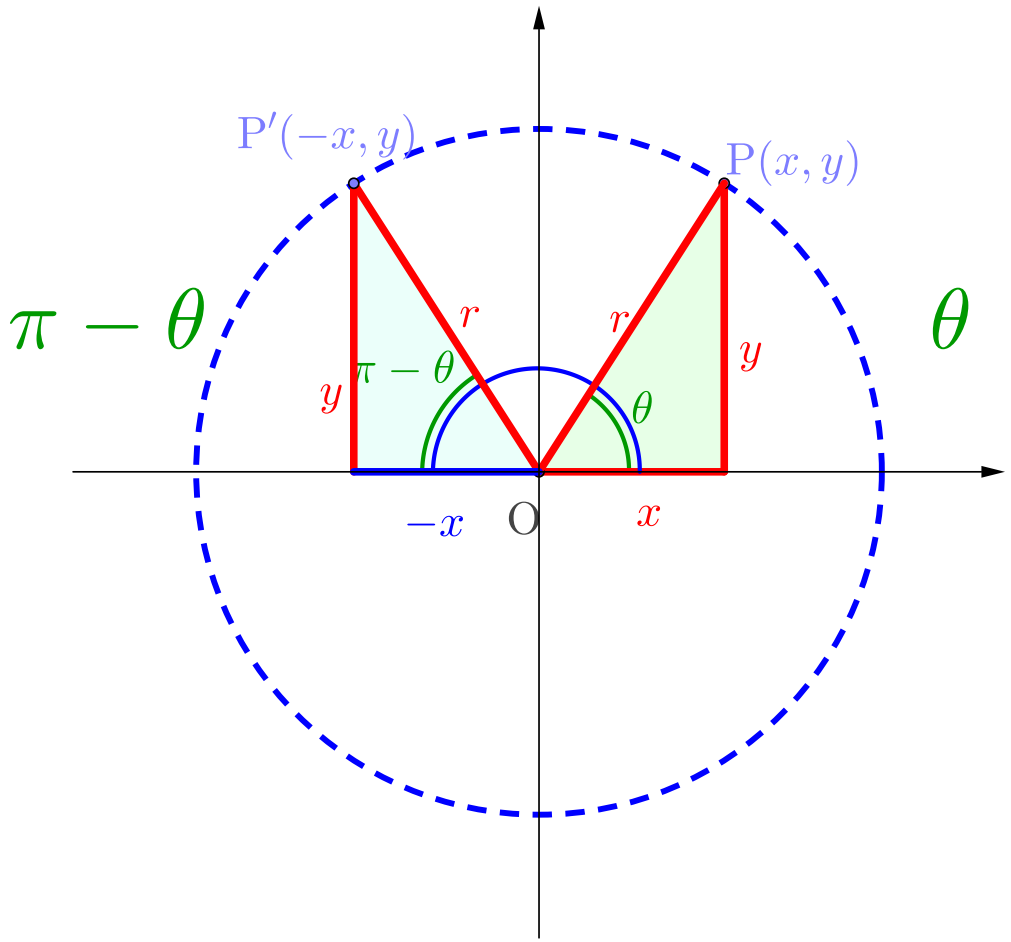

Supplementary angle Identities of trigonometric functions

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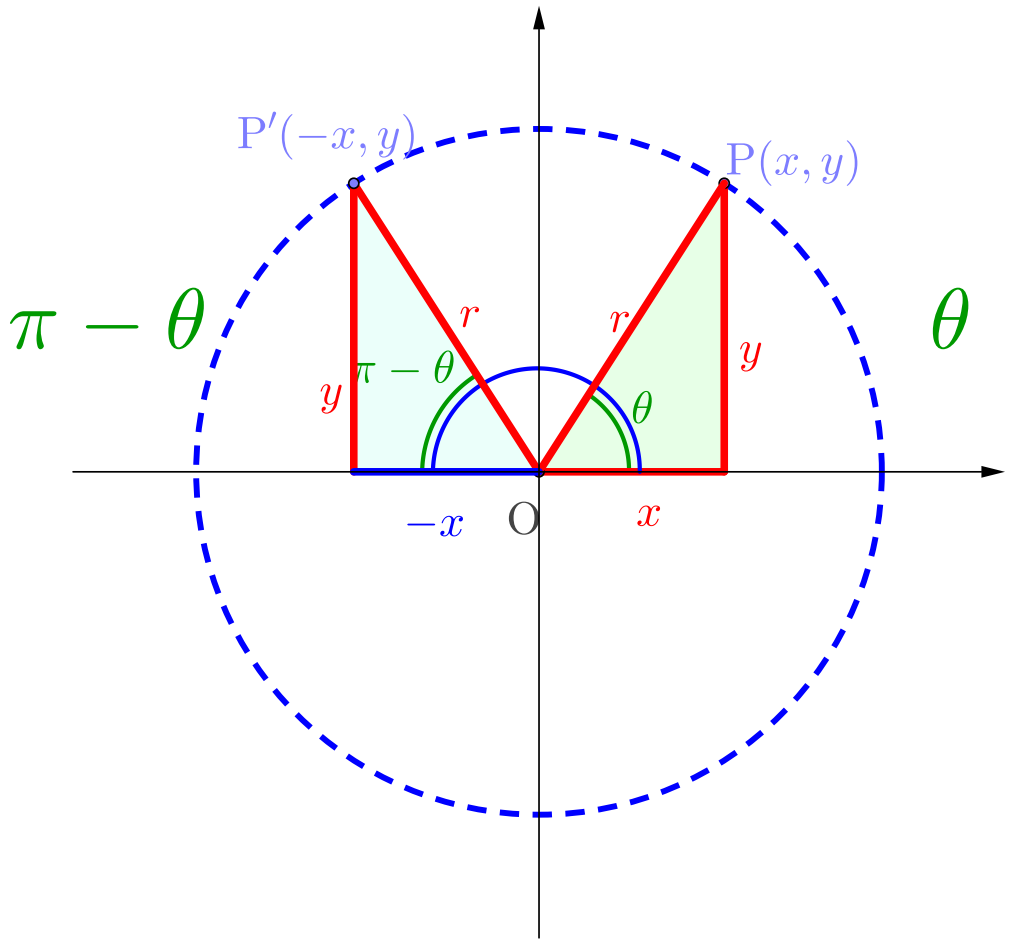
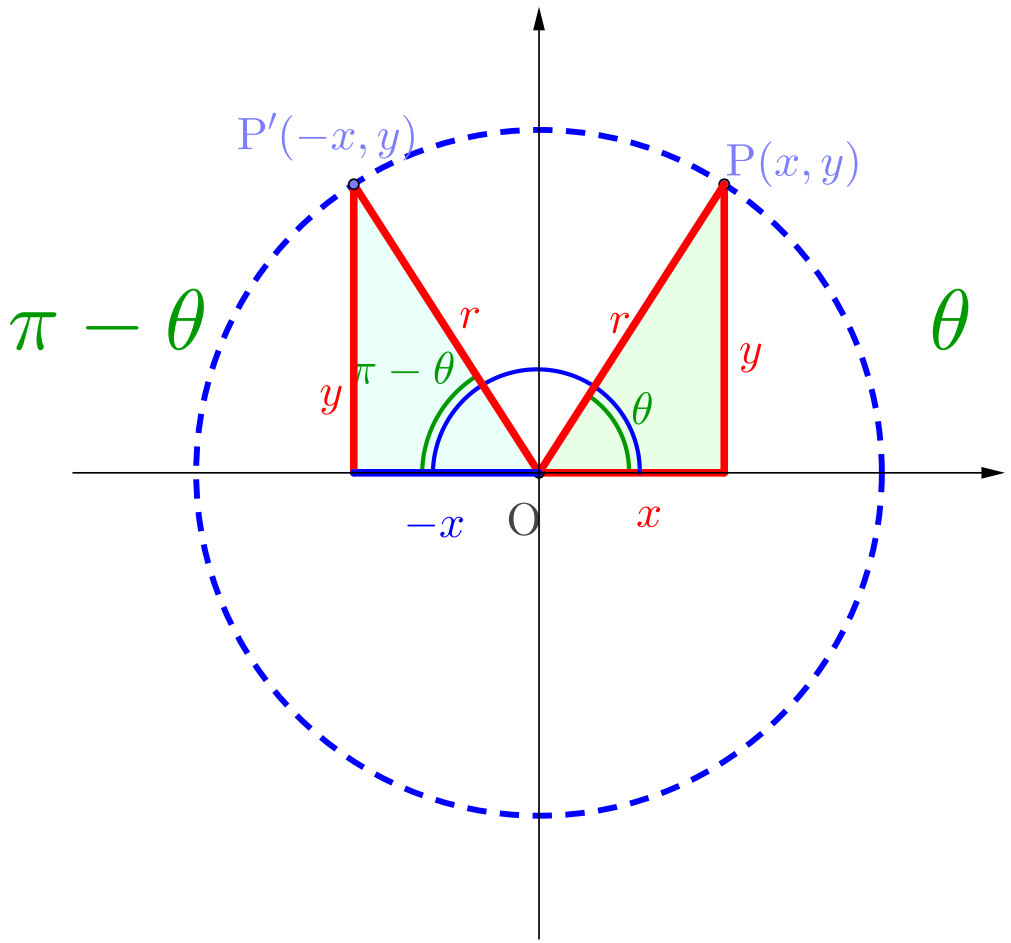


$\sin(\pi - \theta)$

Supplementary angle Identities of trigonometric functions

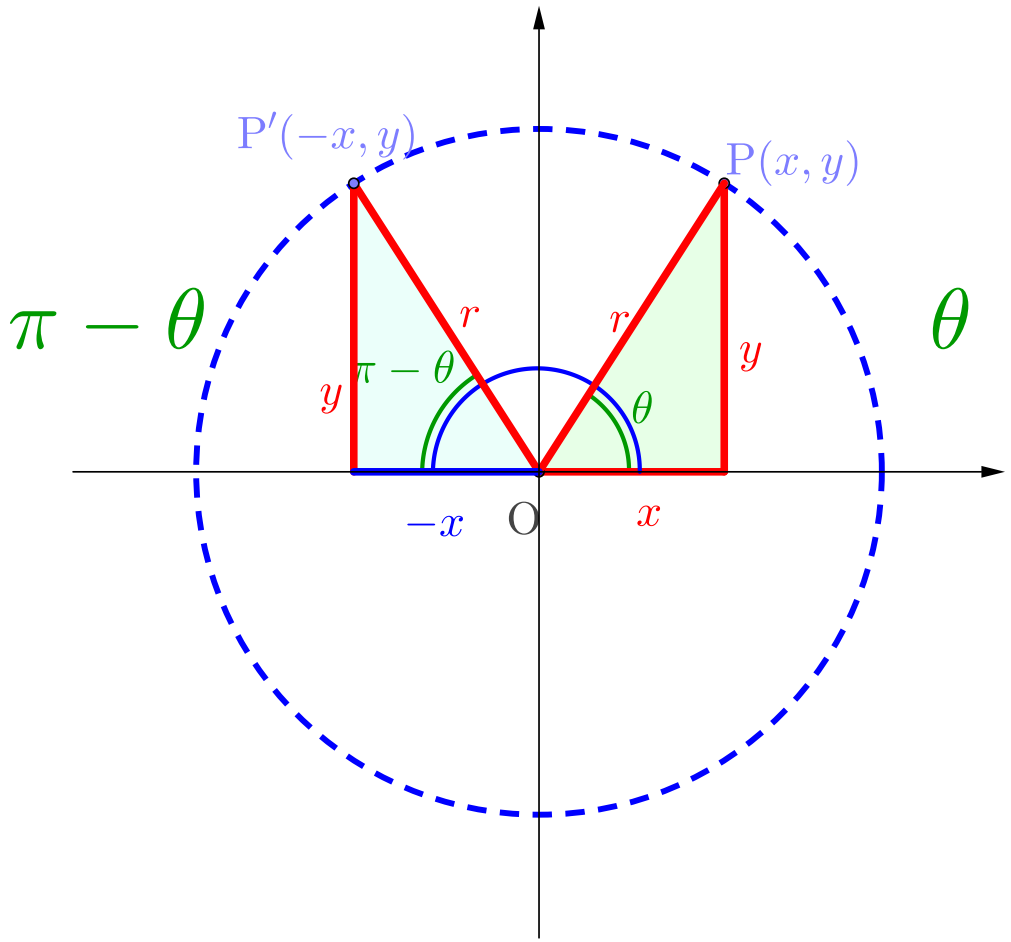
Start End



$$\sin(\pi - \theta) = \frac{y}{r}$$

Supplementary angle Identities of trigonometric functions

Start End

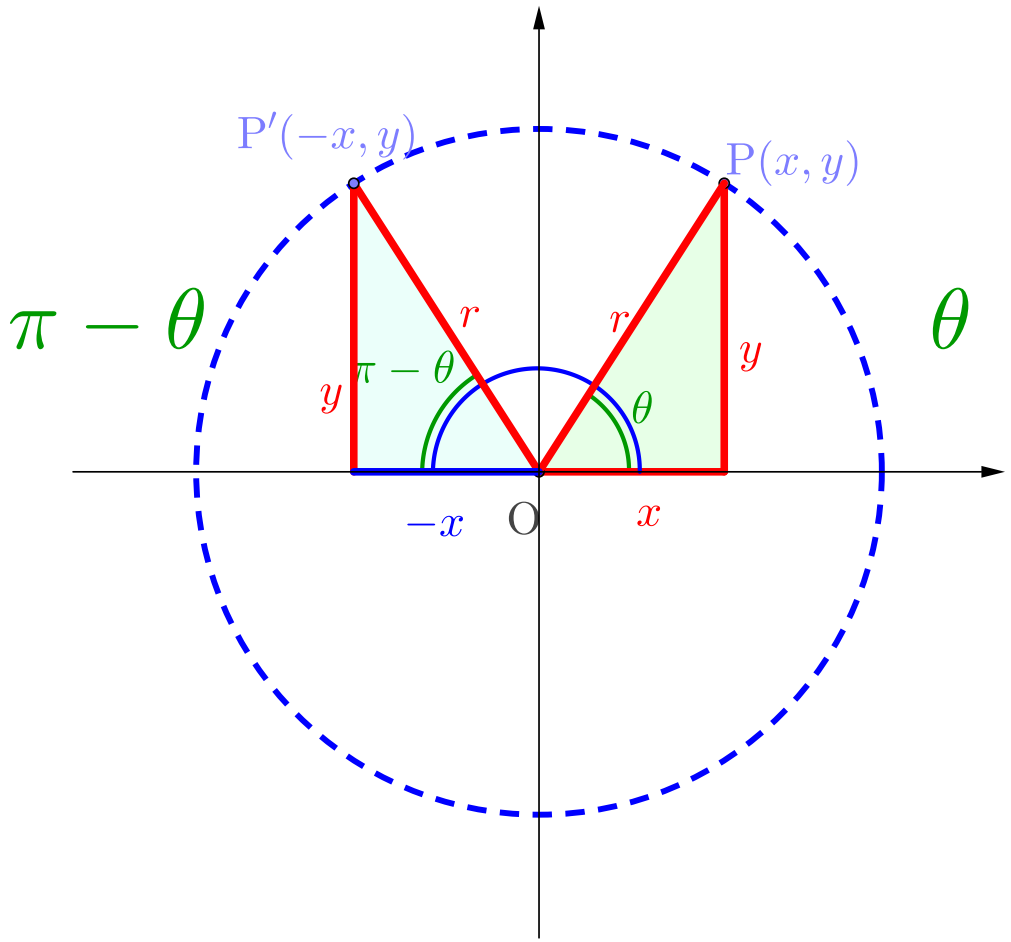


$$\sin(\pi - \theta) = \frac{y}{r}$$

$$= \sin\theta$$

Supplementary angle Identities of trigonometric functions

Start End



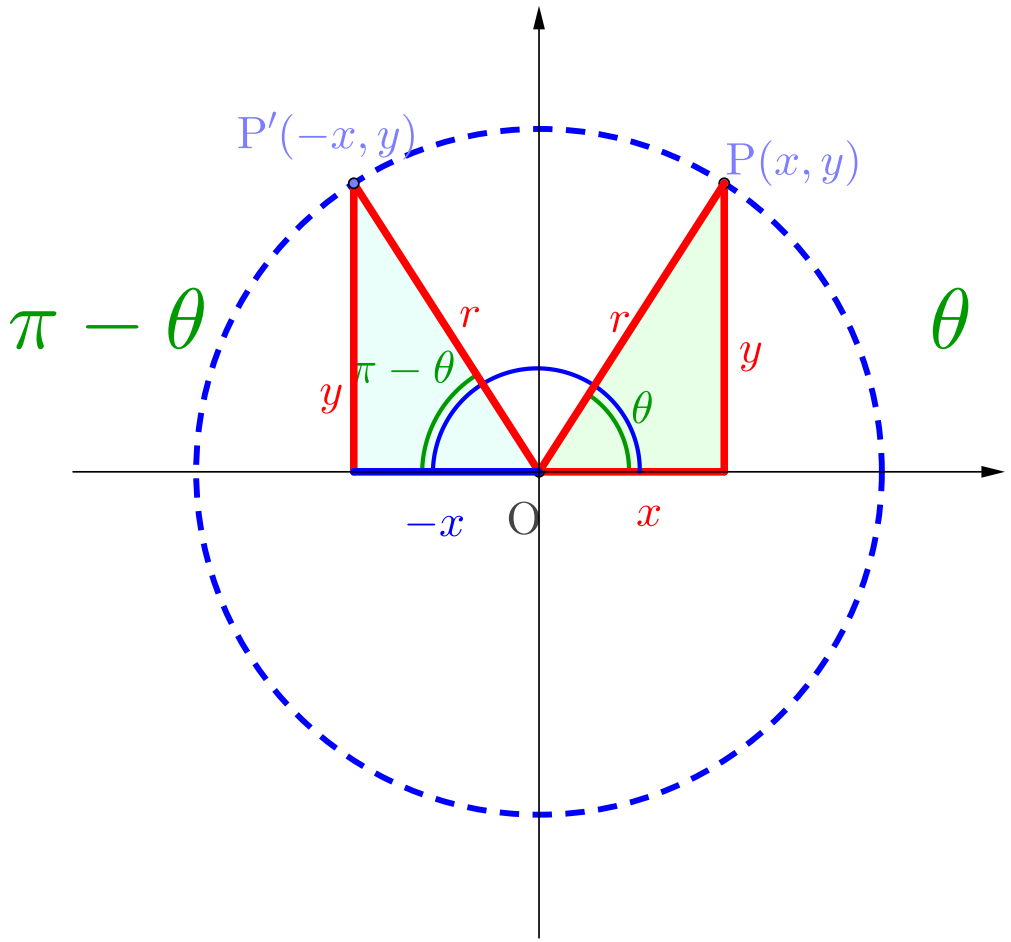
$$\sin(\pi-\theta) = \frac{y}{r}$$

$$= \sin\theta$$

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

Supplementary angle Identities of trigonometric functions

Start End



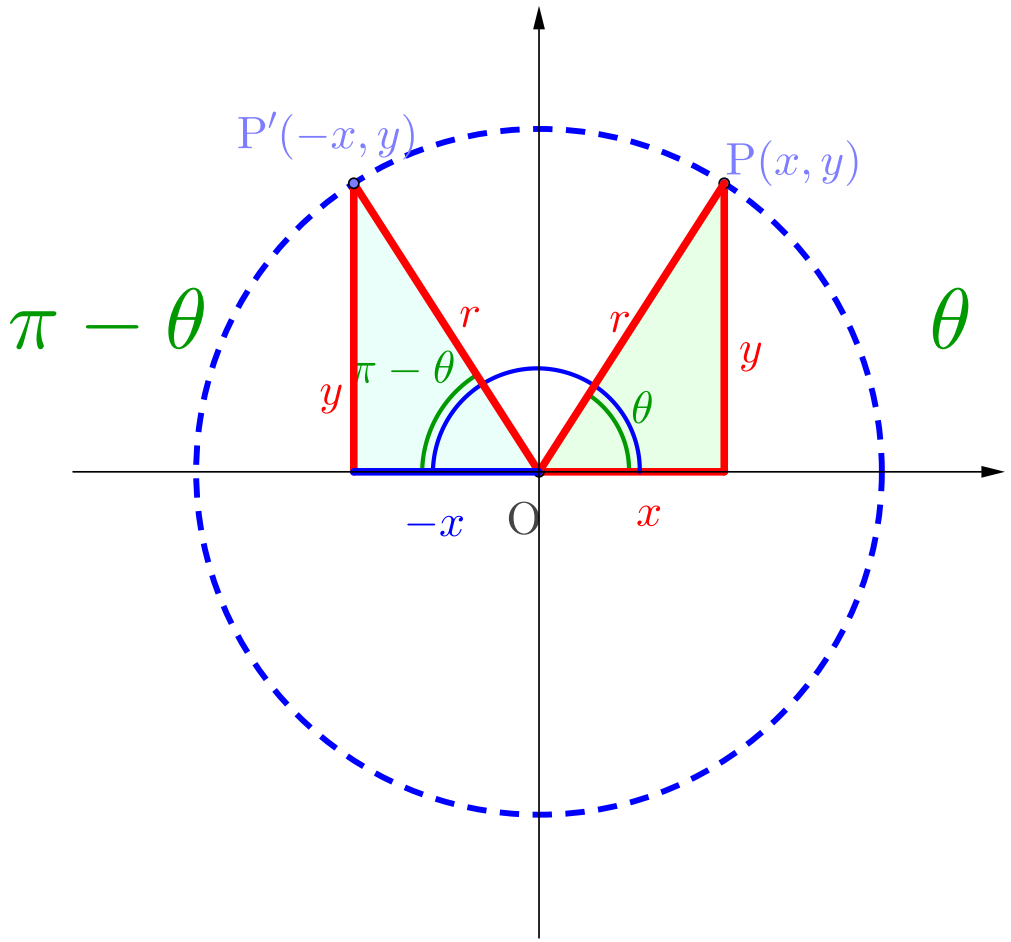
$$\sin(\pi - \theta) = \frac{y}{r}$$

$$= \sin\theta$$

$$\cos(\pi - \theta) = \frac{-x}{r}$$

Supplementary angle Identities of trigonometric functions

Start End



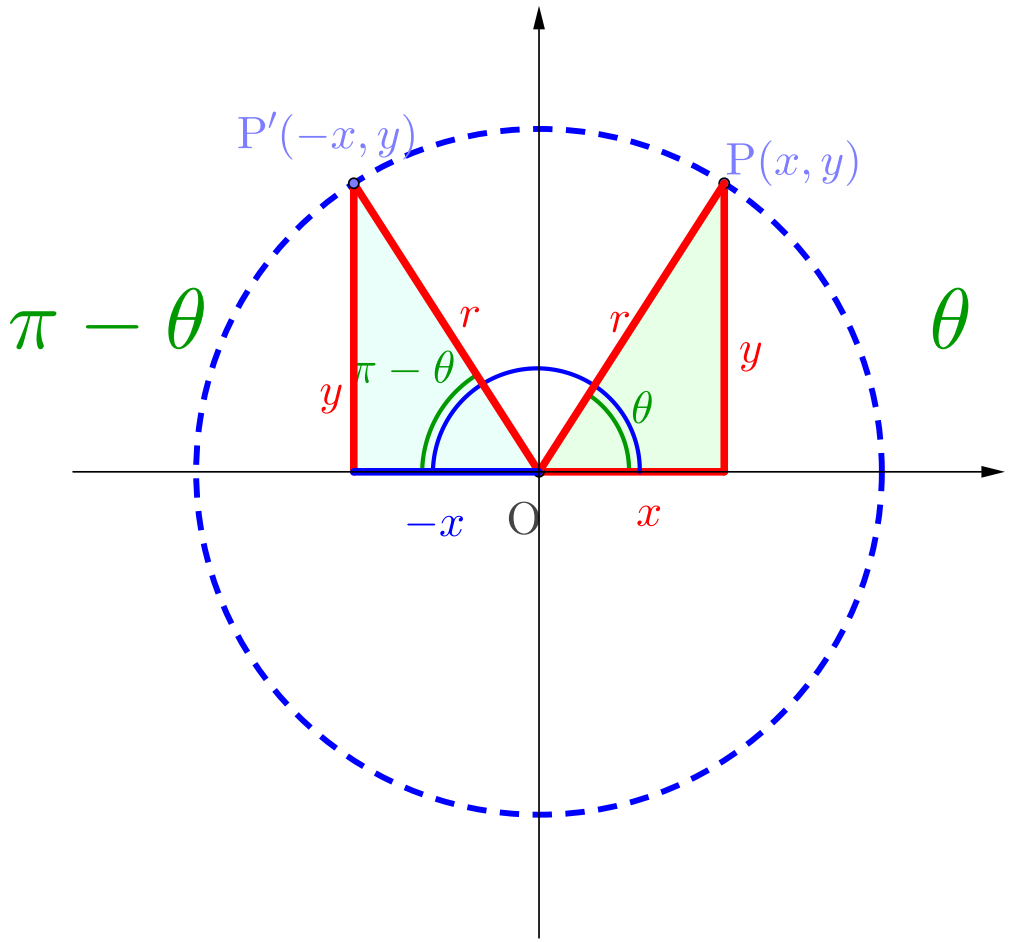
$$\sin(\pi-\theta) = \frac{y}{r}$$

$$= \sin\theta$$

$$\cos(\pi-\theta) = \frac{-x}{r} = -\frac{x}{r}$$

Supplementary angle Identities of trigonometric functions

Start End



$$\sin(\pi-\theta) = \frac{y}{r}$$

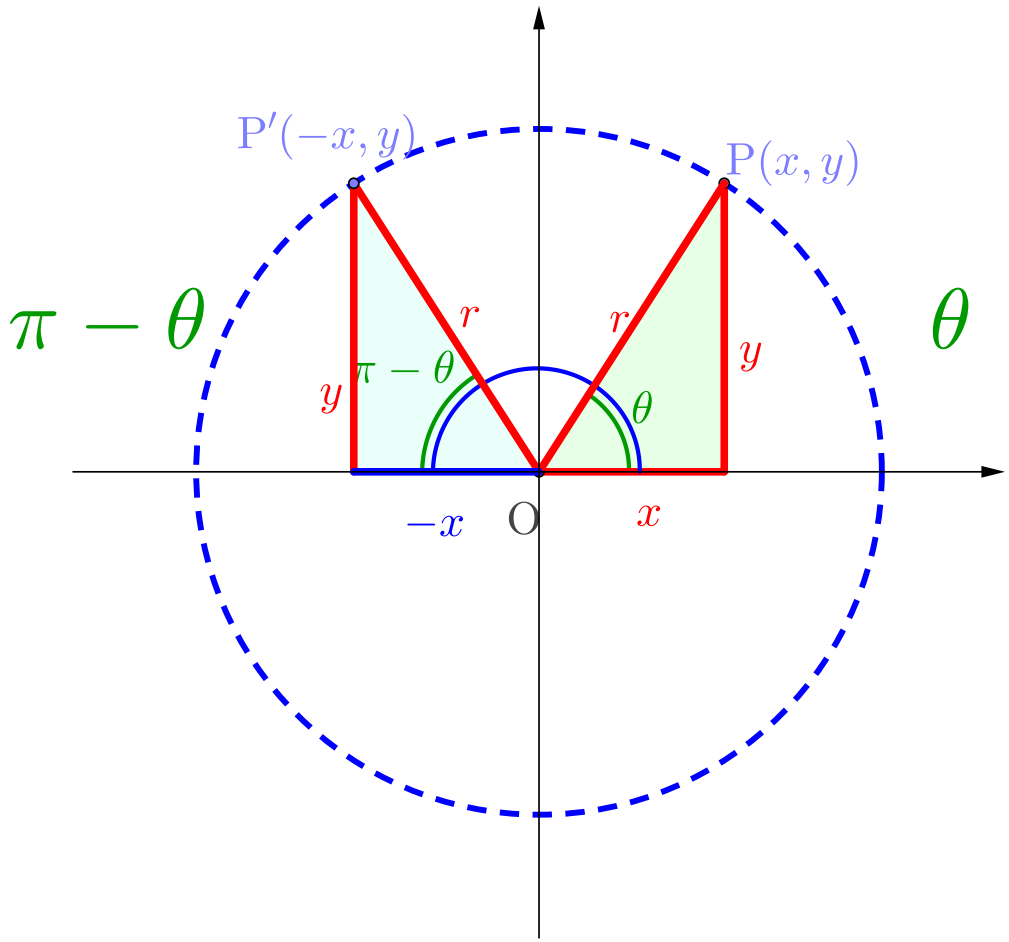
$$= \sin\theta$$

$$\cos(\pi-\theta) = \frac{-x}{r} = -\frac{x}{r}$$

$$= -\cos\theta$$

Supplementary angle Identities of trigonometric functions

Start End



$$\sin(\pi-\theta) = \frac{y}{r}$$

$$= \sin\theta$$

$$\cos(\pi-\theta) = \frac{-x}{r} = -\frac{x}{r}$$

$$= -\cos\theta$$

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

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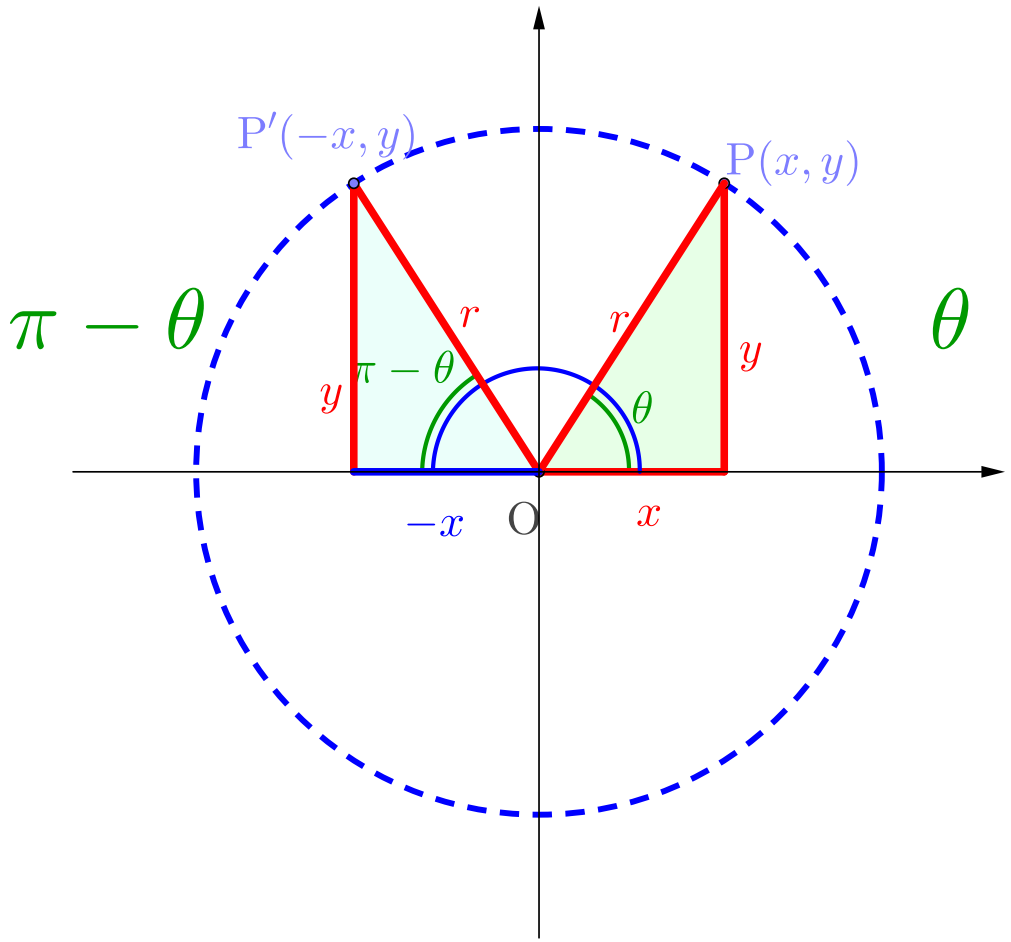


$$\sin(\pi-\theta) = \frac{y}{r}$$

$$= \sin\theta$$

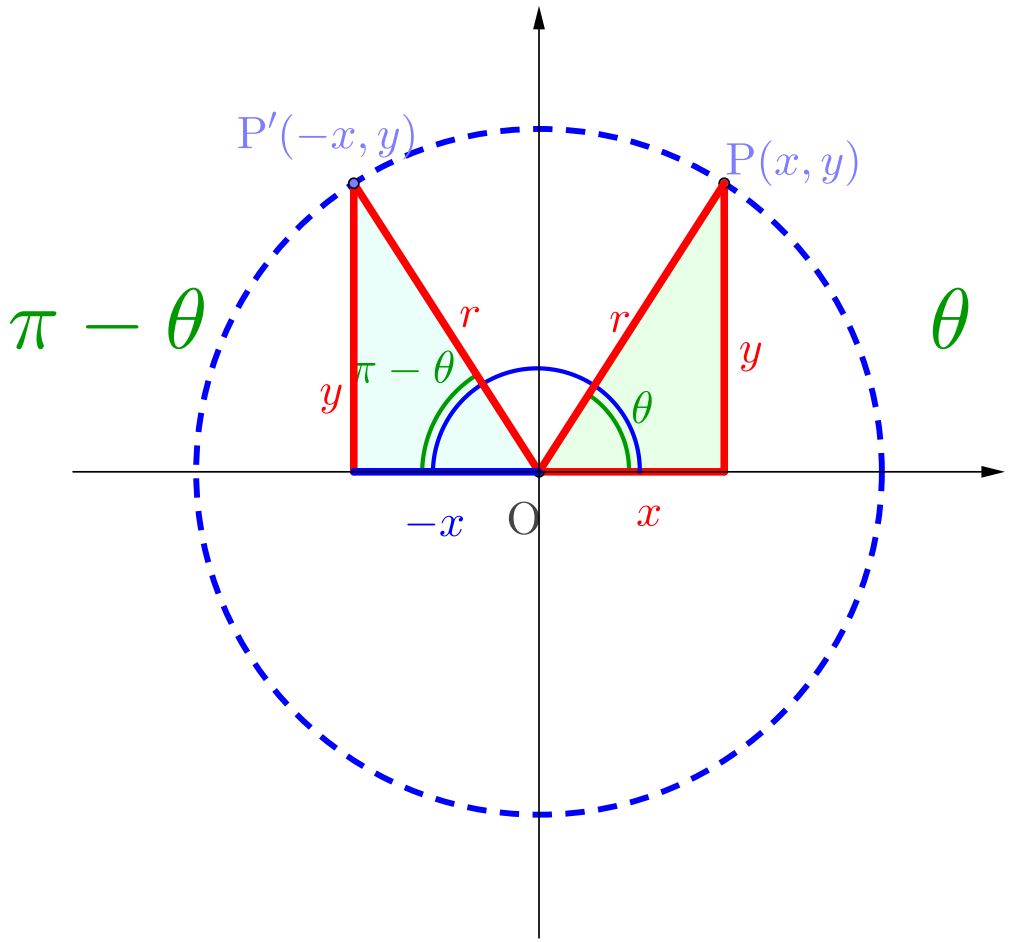
$$\cos(\pi-\theta) = \frac{-x}{r} = -\frac{x}{r}$$

$$= -\cos\theta$$

$$\tan(\pi-\theta) = \frac{y}{-x}$$

Supplementary angle Identities of trigonometric functions

Start End



$$\sin(\pi - \theta) = \frac{y}{r}$$

$$= \sin\theta$$

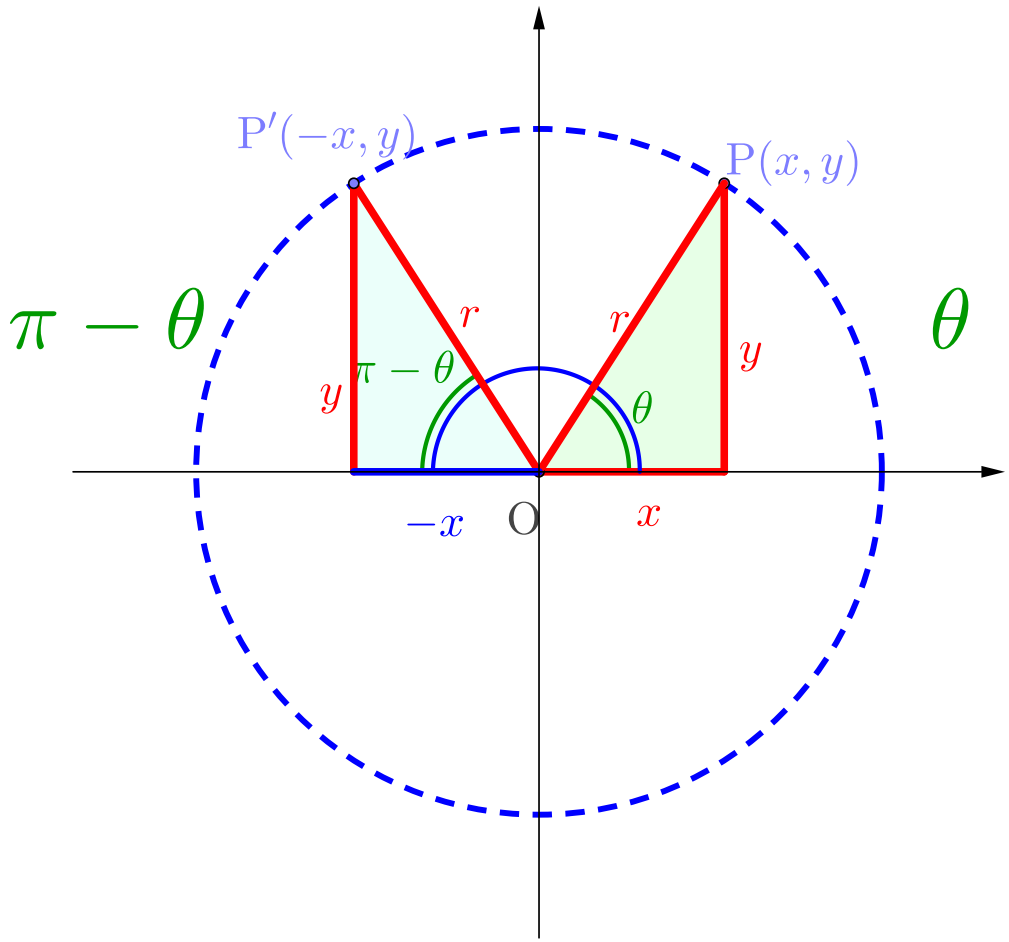
$$\cos(\pi - \theta) = \frac{-x}{r} = -\frac{x}{r}$$

$$= -\cos\theta$$

$$\tan(\pi - \theta) = \frac{y}{-x} = -\frac{y}{x}$$

Supplementary angle Identities of trigonometric functions

Start End



$$\sin(\pi-\theta) = \frac{y}{r}$$

$$= \sin\theta$$

$$\cos(\pi-\theta) = \frac{-x}{r} = -\frac{x}{r}$$

$$= -\cos\theta$$

$$\tan(\pi-\theta) = \frac{y}{-x} = -\frac{y}{x}$$

$$= -\tan\theta$$

Github:
https://min7014.github.io/math20220919001.html

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