

## 삼각함수의 여각공식

(Complementary angle identities of trigonometric functions)

# Complementary angle identities of trigonometric functions

▶ Start

▶ End

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▶ Start

▶ End

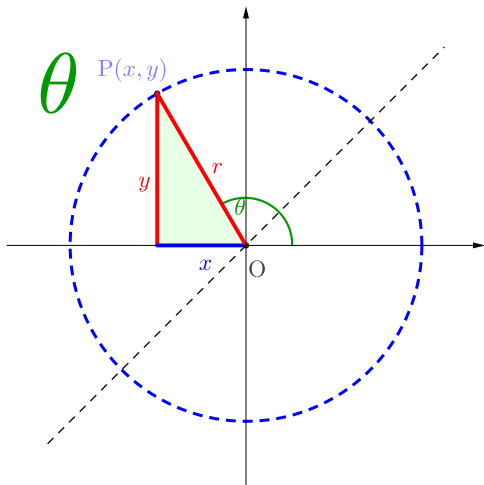
$\theta$



# Complementary angle identities of trigonometric functions

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▶ End



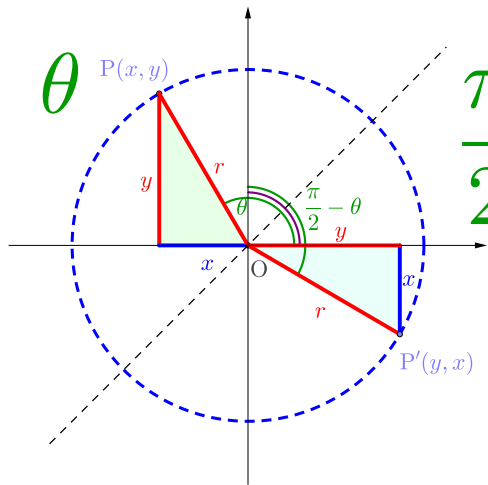




# Complementary angle identities of trigonometric functions

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▶ End



$$\frac{\pi}{2} - \theta$$

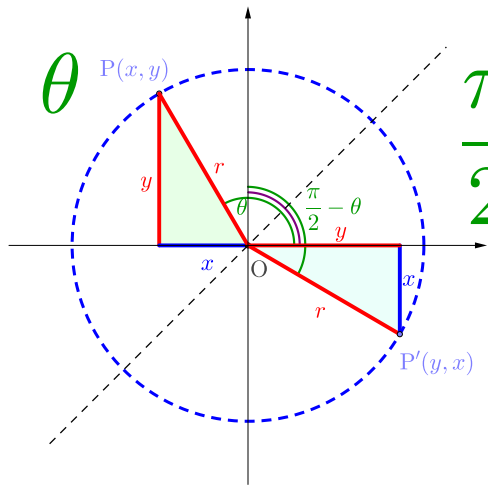
$$\sin\left(\frac{\pi}{2} - \theta\right)$$



# Complementary angle identities of trigonometric functions

▶ Start

▶ End



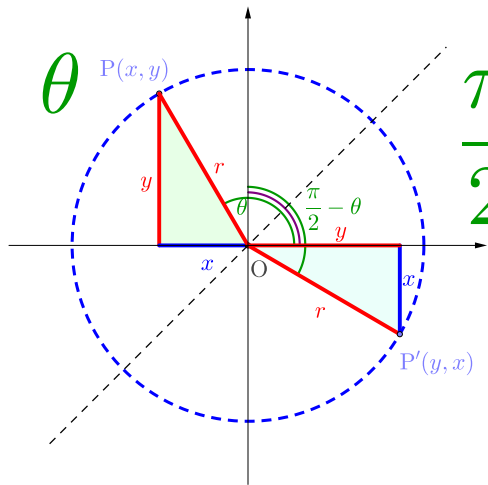
$$\frac{\pi}{2} - \theta$$

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

# Complementary angle identities of trigonometric functions

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▶ End



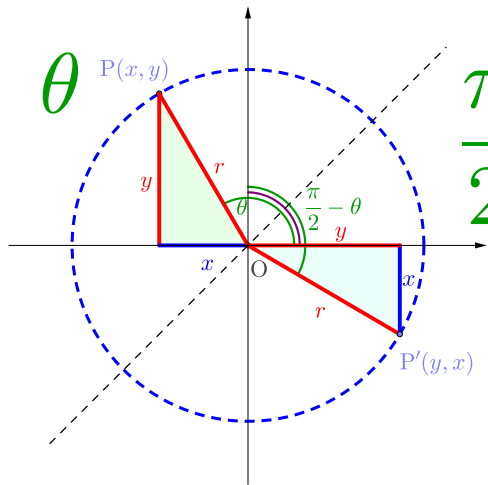
$$\frac{\pi}{2} - \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$

# Complementary angle identities of trigonometric functions

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▶ End



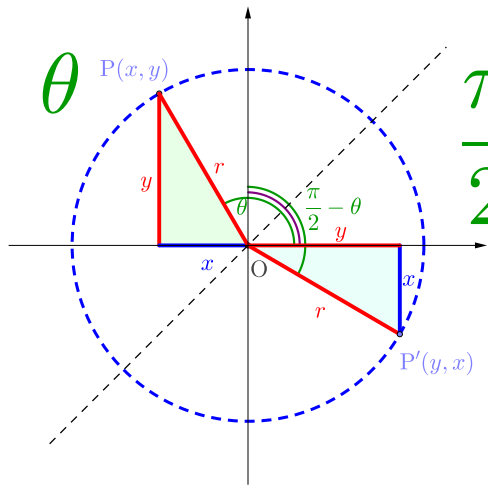
$$\frac{\pi}{2} - \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$
$$\cos\left(\frac{\pi}{2} - \theta\right)$$

# Complementary angle identities of trigonometric functions

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▶ End



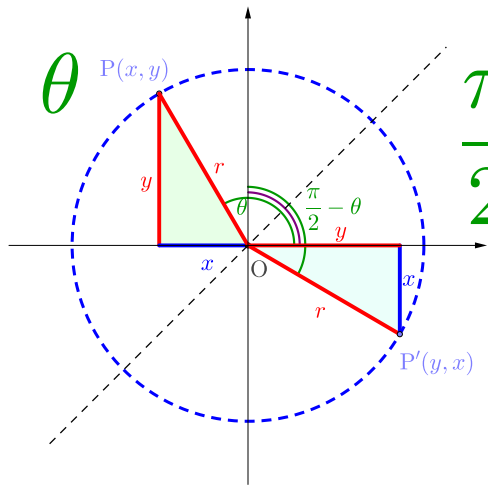
$$\frac{\pi}{2} - \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$
$$\cos\left(\frac{\pi}{2} - \theta\right) = \frac{y}{r}$$

# Complementary angle identities of trigonometric functions

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$$\frac{\pi}{2} - \theta$$

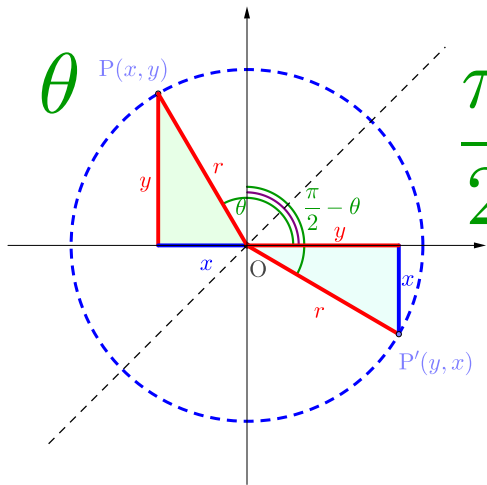
$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$

$$\cos\left(\frac{\pi}{2} - \theta\right) = \frac{y}{r} = \sin \theta$$

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$$\frac{\pi}{2} - \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$

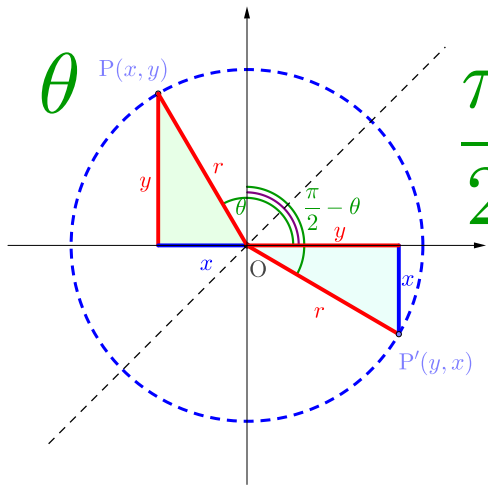
$$\cos\left(\frac{\pi}{2} - \theta\right) = \frac{y}{r} = \sin \theta$$

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

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$$\frac{\pi}{2} - \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$

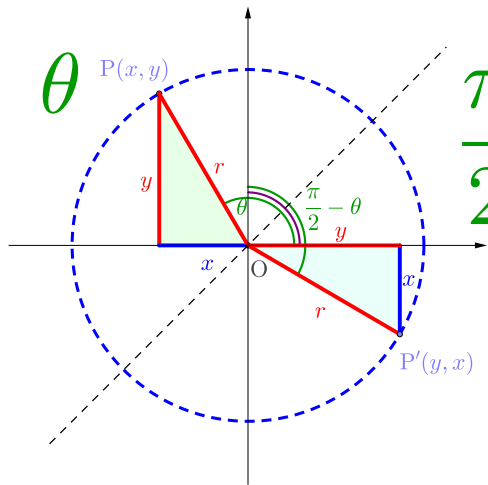
$$\cos\left(\frac{\pi}{2} - \theta\right) = \frac{y}{r} = \sin \theta$$

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

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▶ End



$$\frac{\pi}{2} - \theta$$

$$\sin\left(\frac{\pi}{2} - \theta\right) = \frac{x}{r} = \cos \theta$$

$$\cos\left(\frac{\pi}{2} - \theta\right) = \frac{y}{r} = \sin \theta$$

$$\tan\left(\frac{\pi}{2} - \theta\right) = \frac{x}{y} = \cot \theta$$



Github:

<https://min7014.github.io/math20220920001.html>

Click or paste URL into the URL search bar,  
and you can see a picture moving.