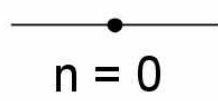
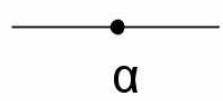


## 삼각함수의 음각공식



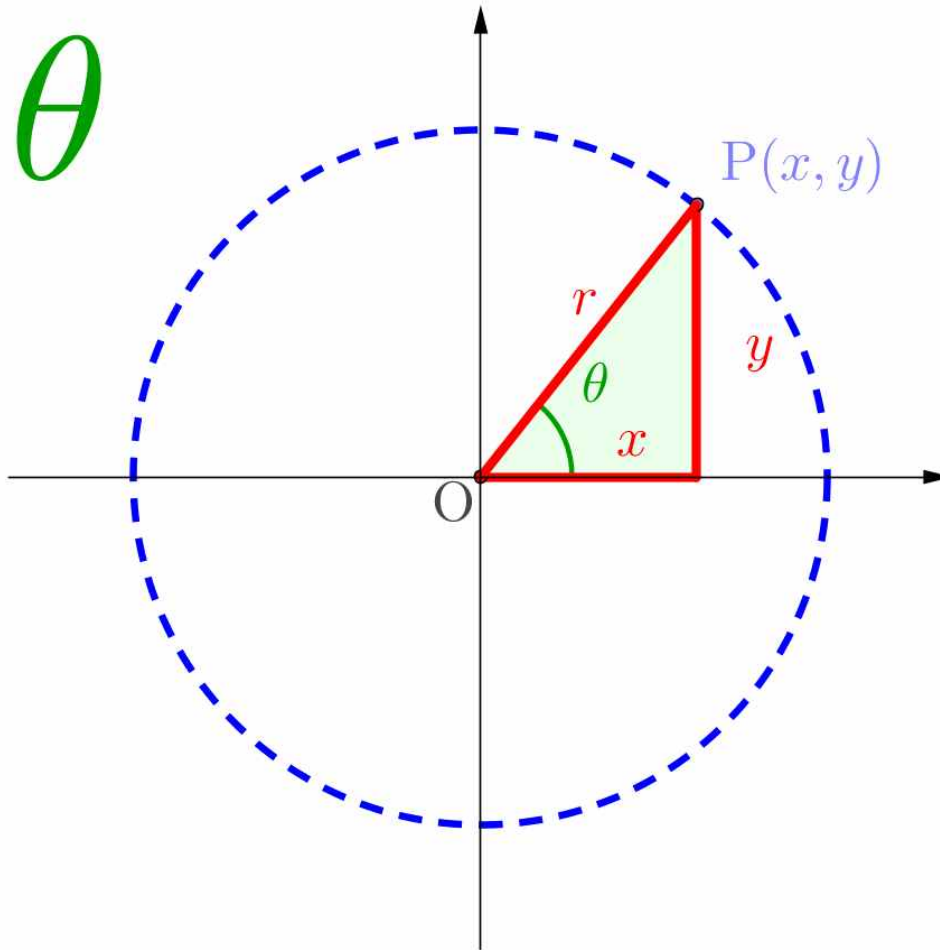
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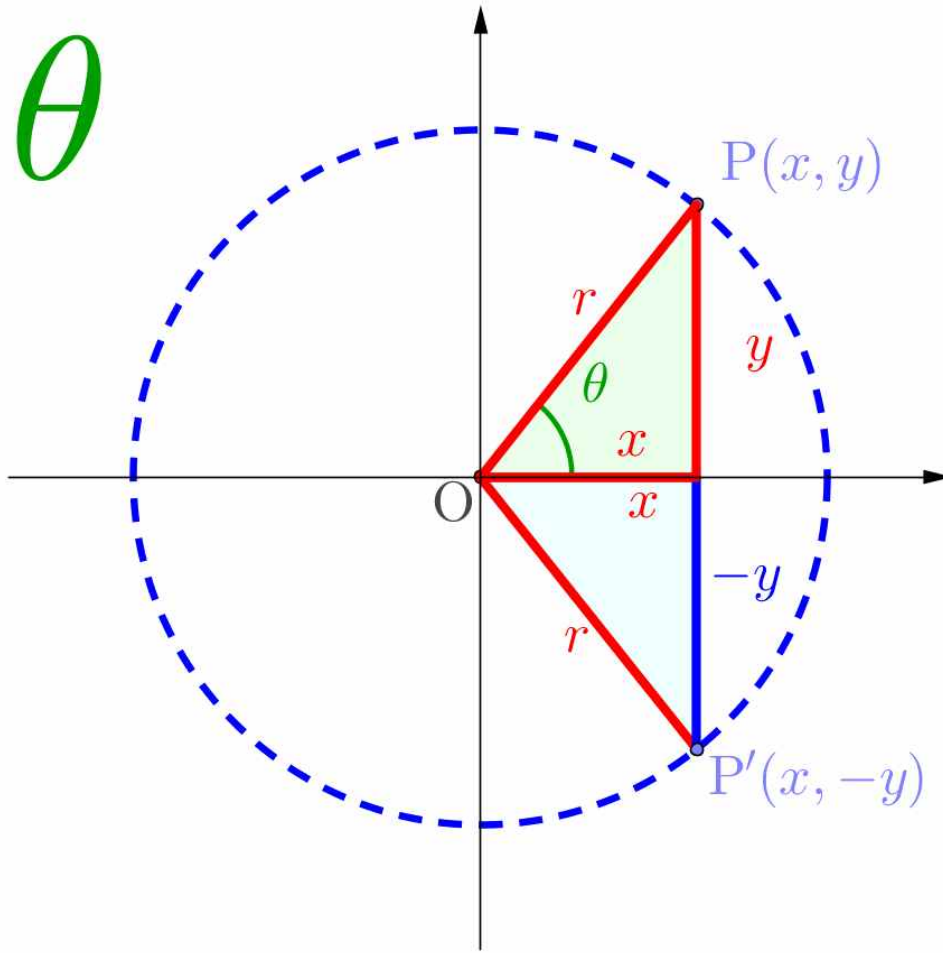
—•—    —•—     1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16

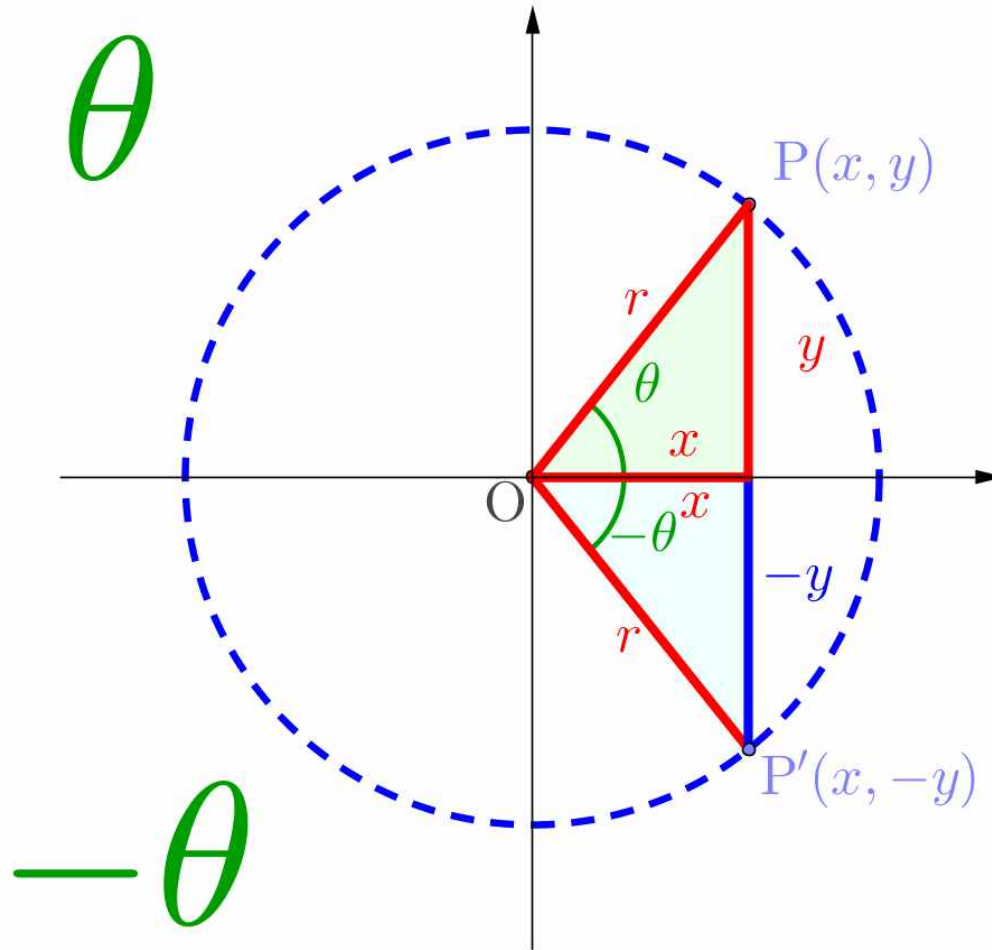
$\alpha$        $n = 0$

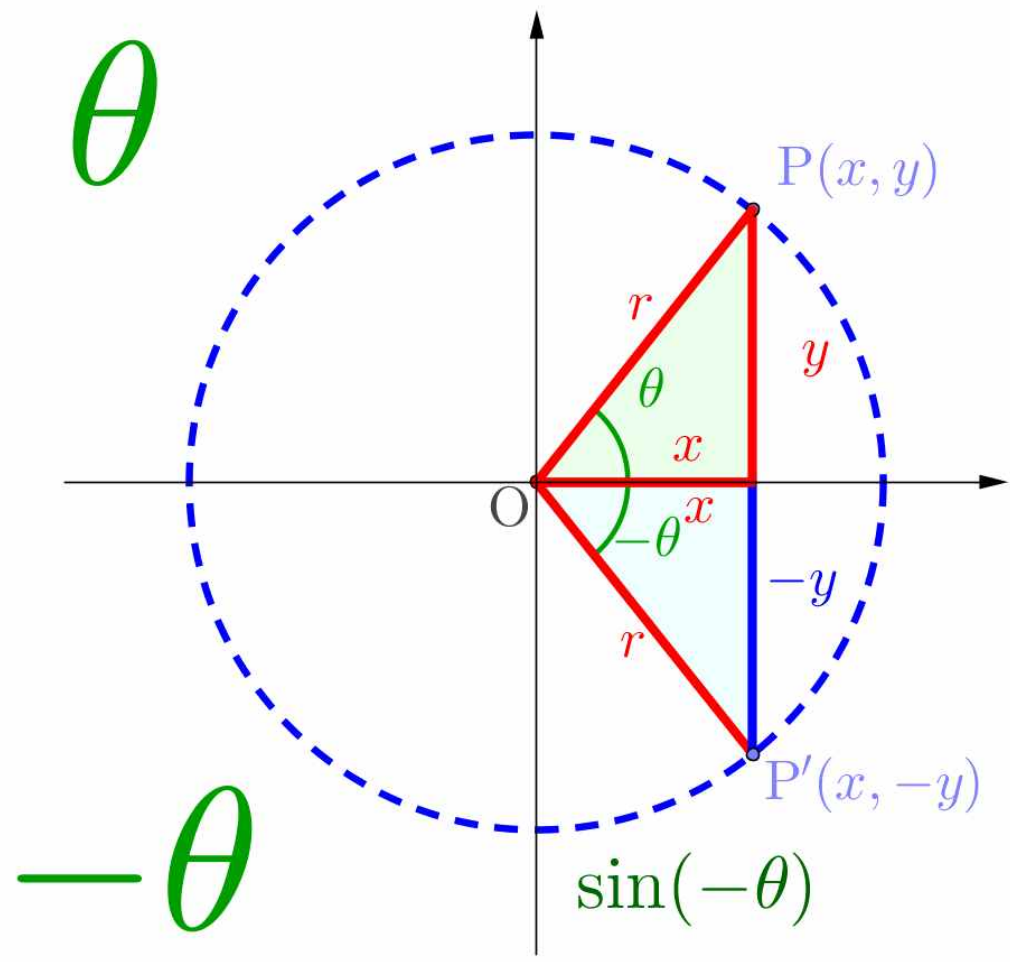
$\theta$

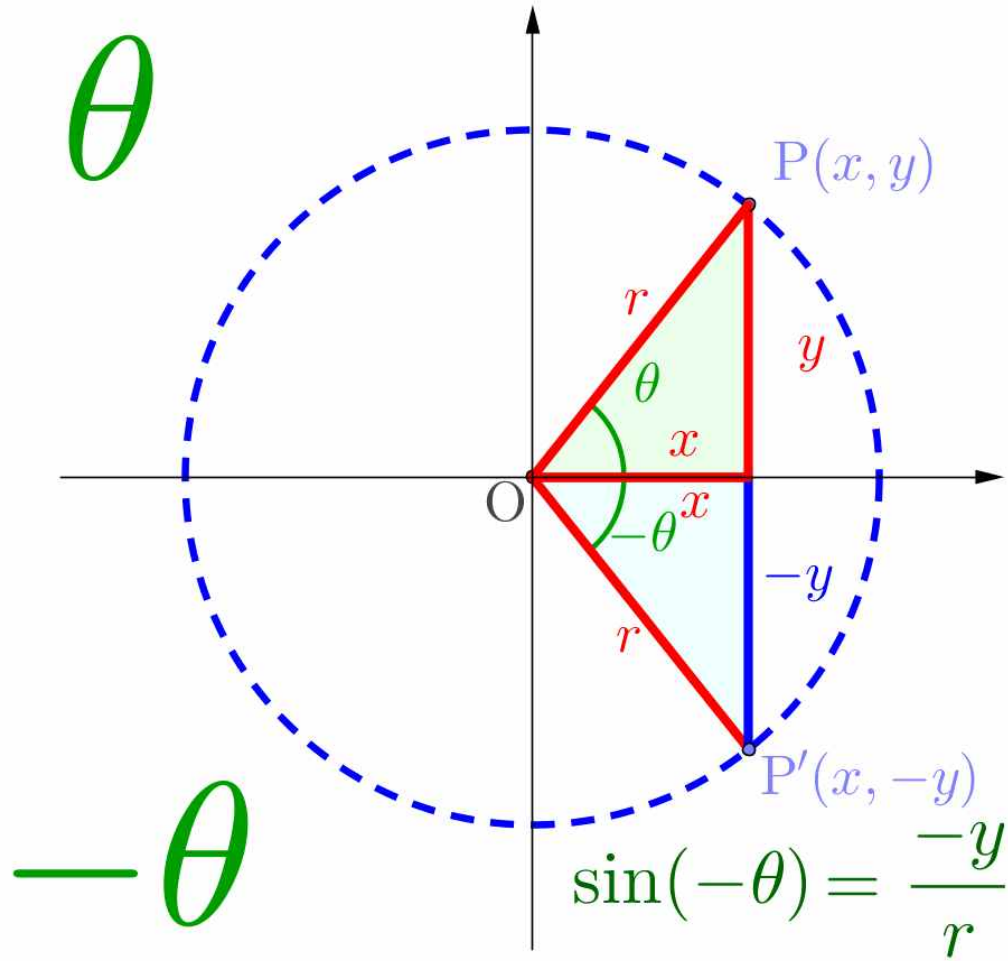
—●—  $\alpha$     —●—  $n = 0$      1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16



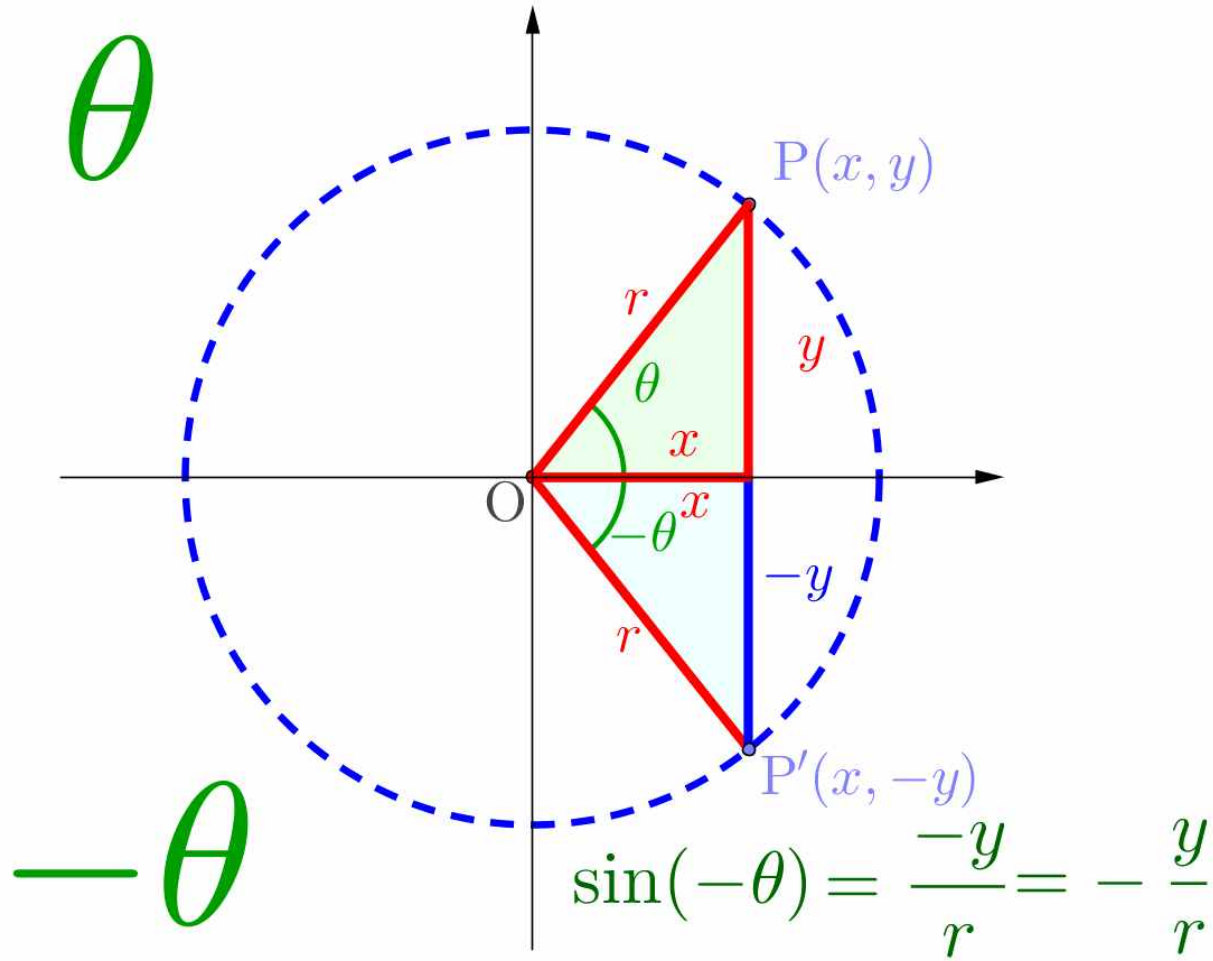


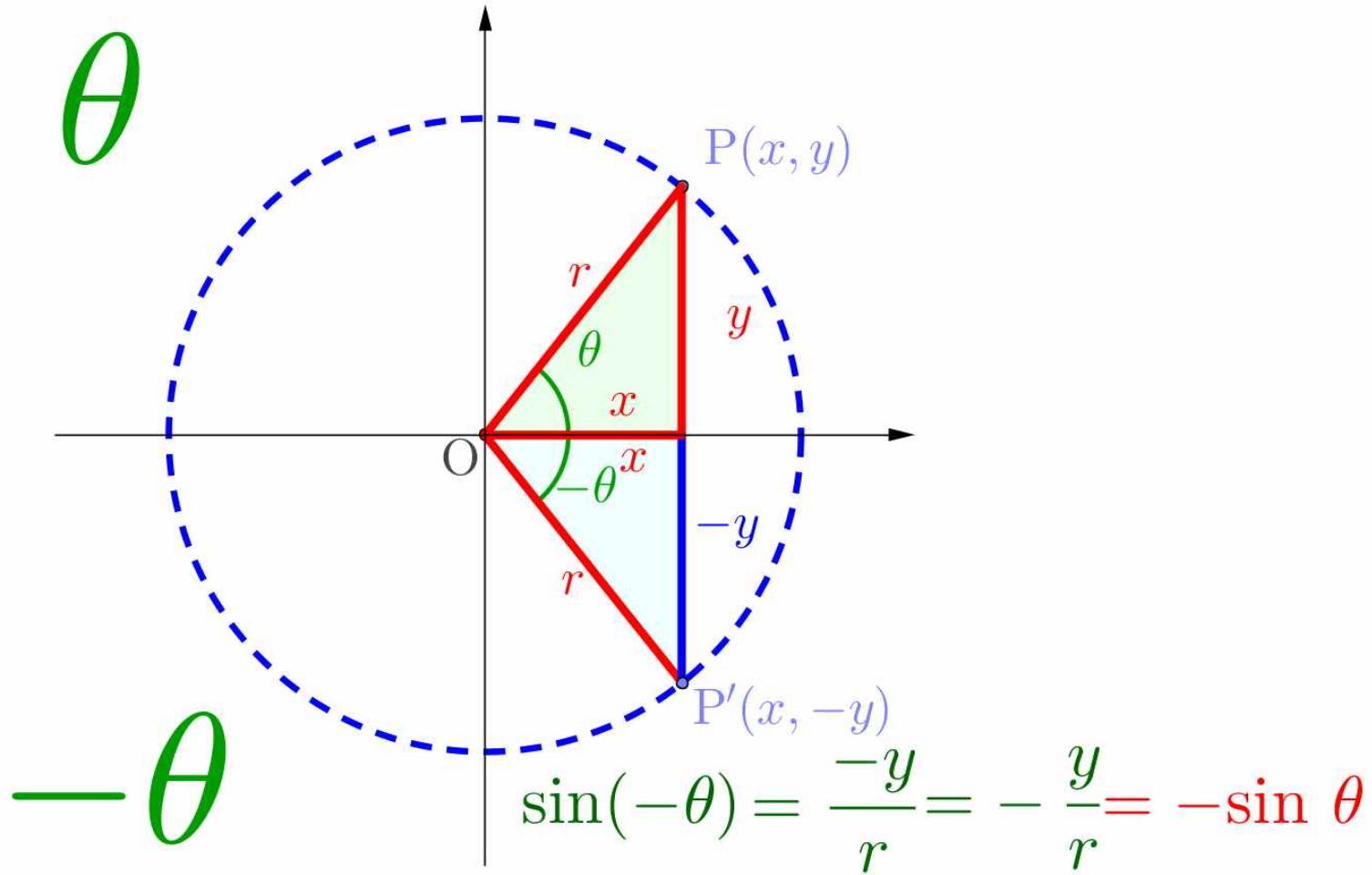


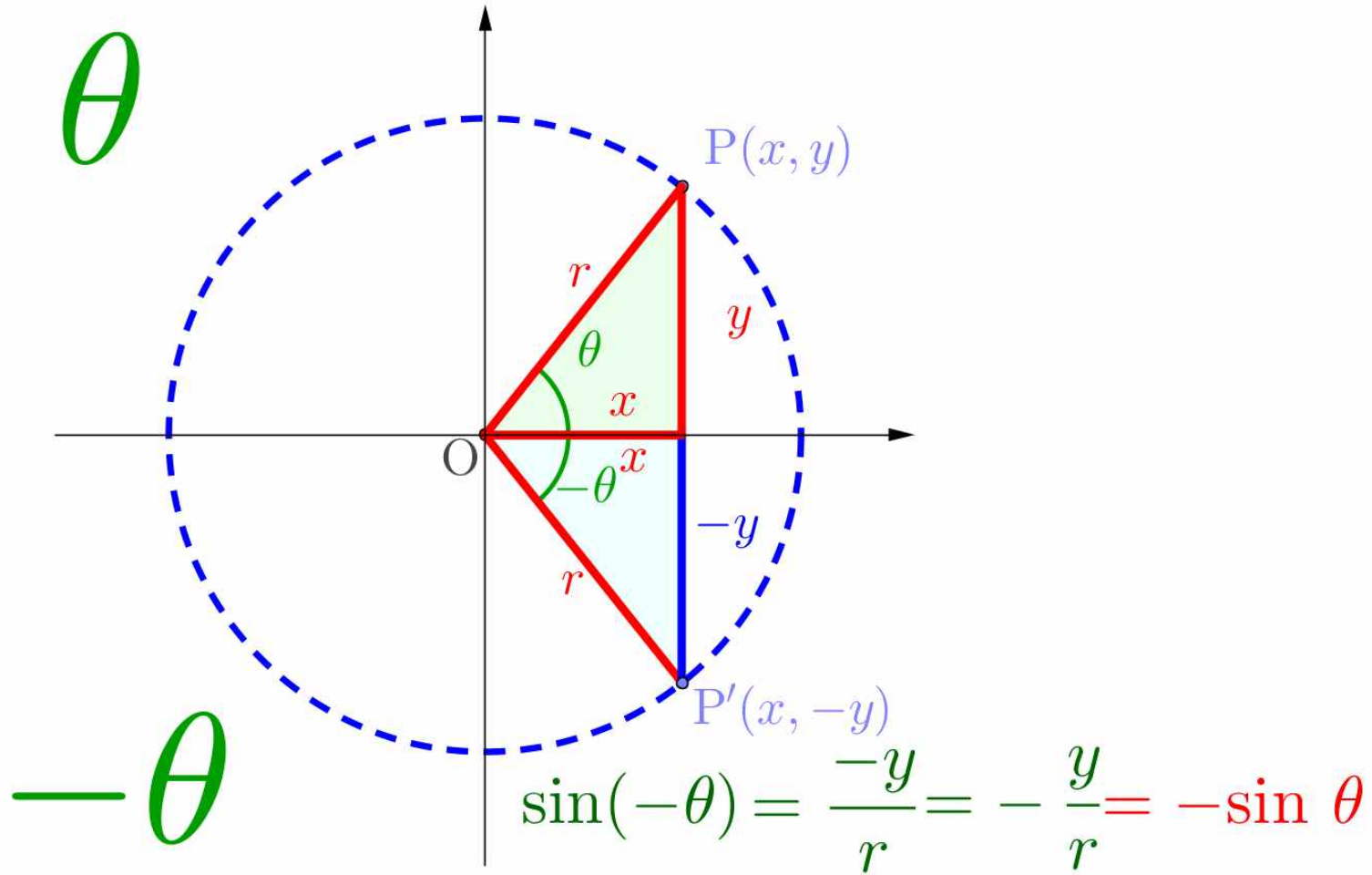


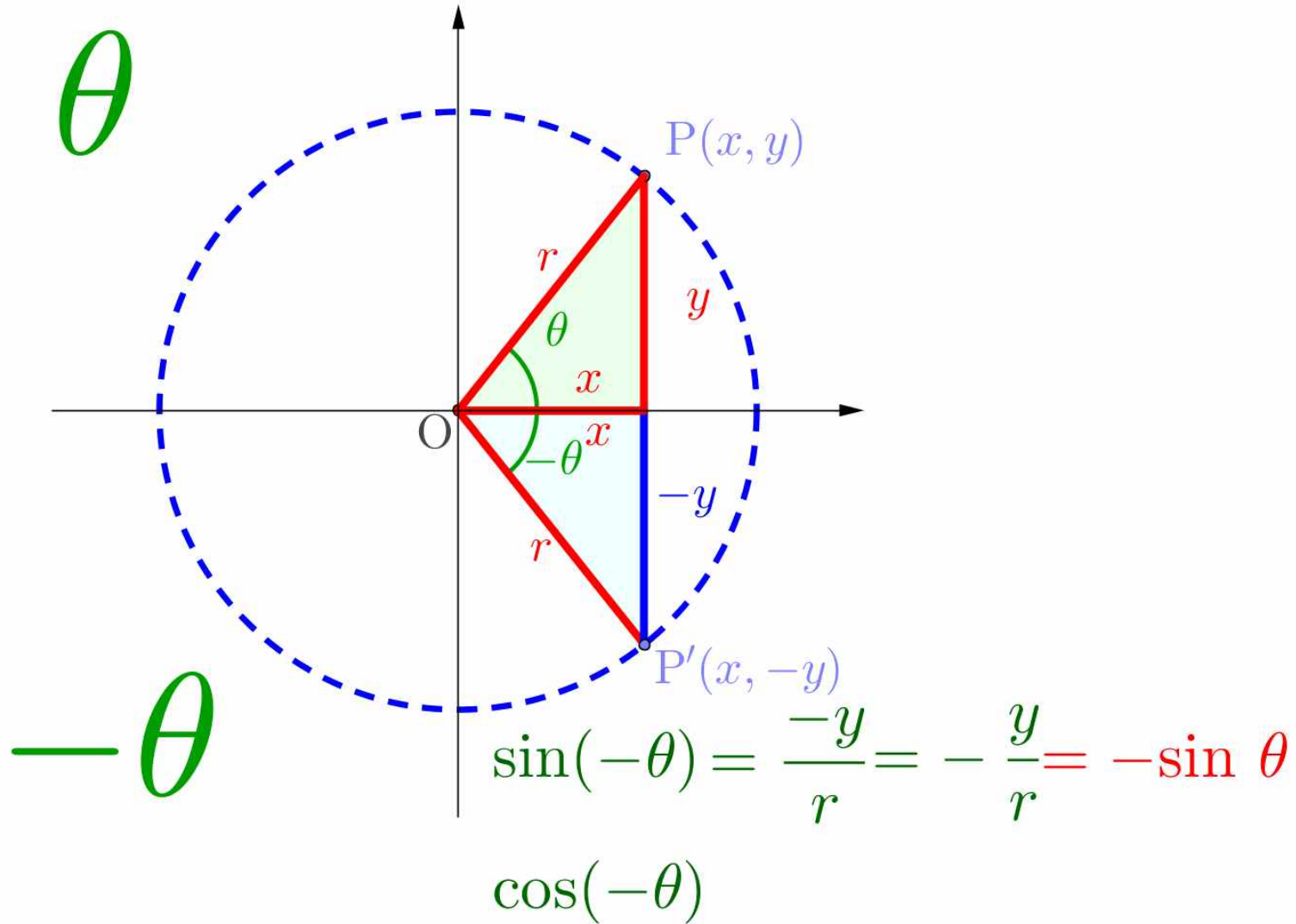


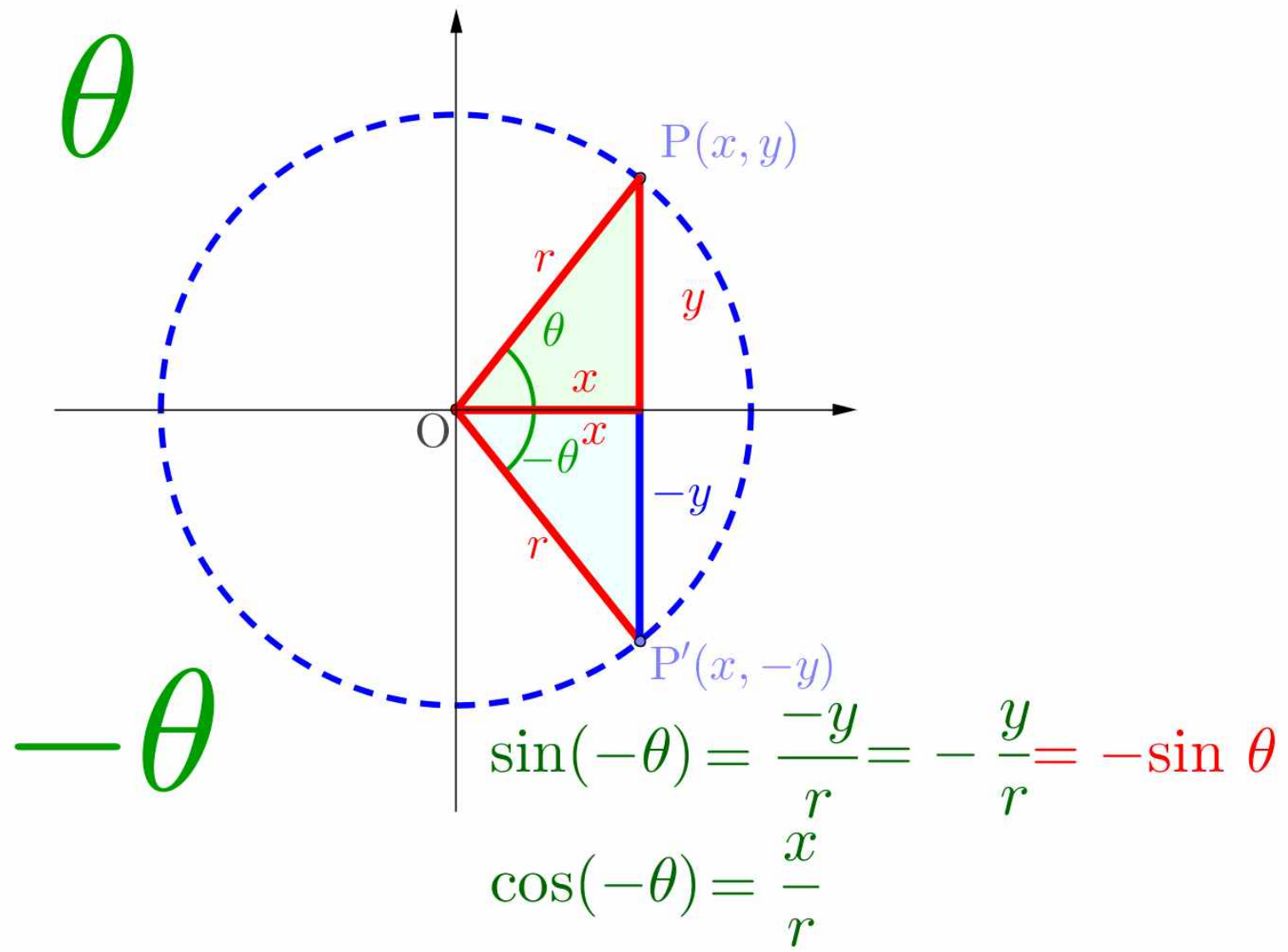


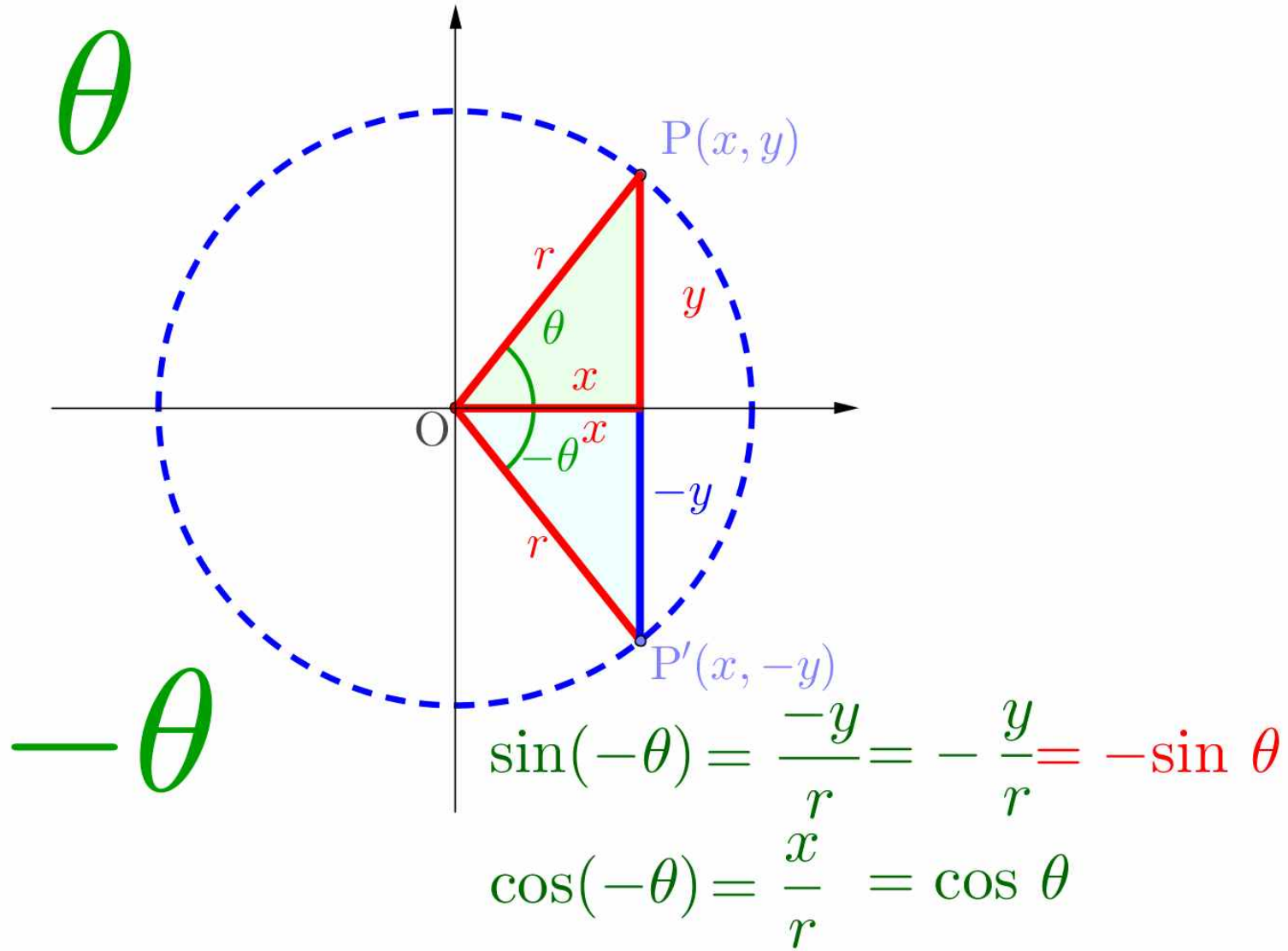


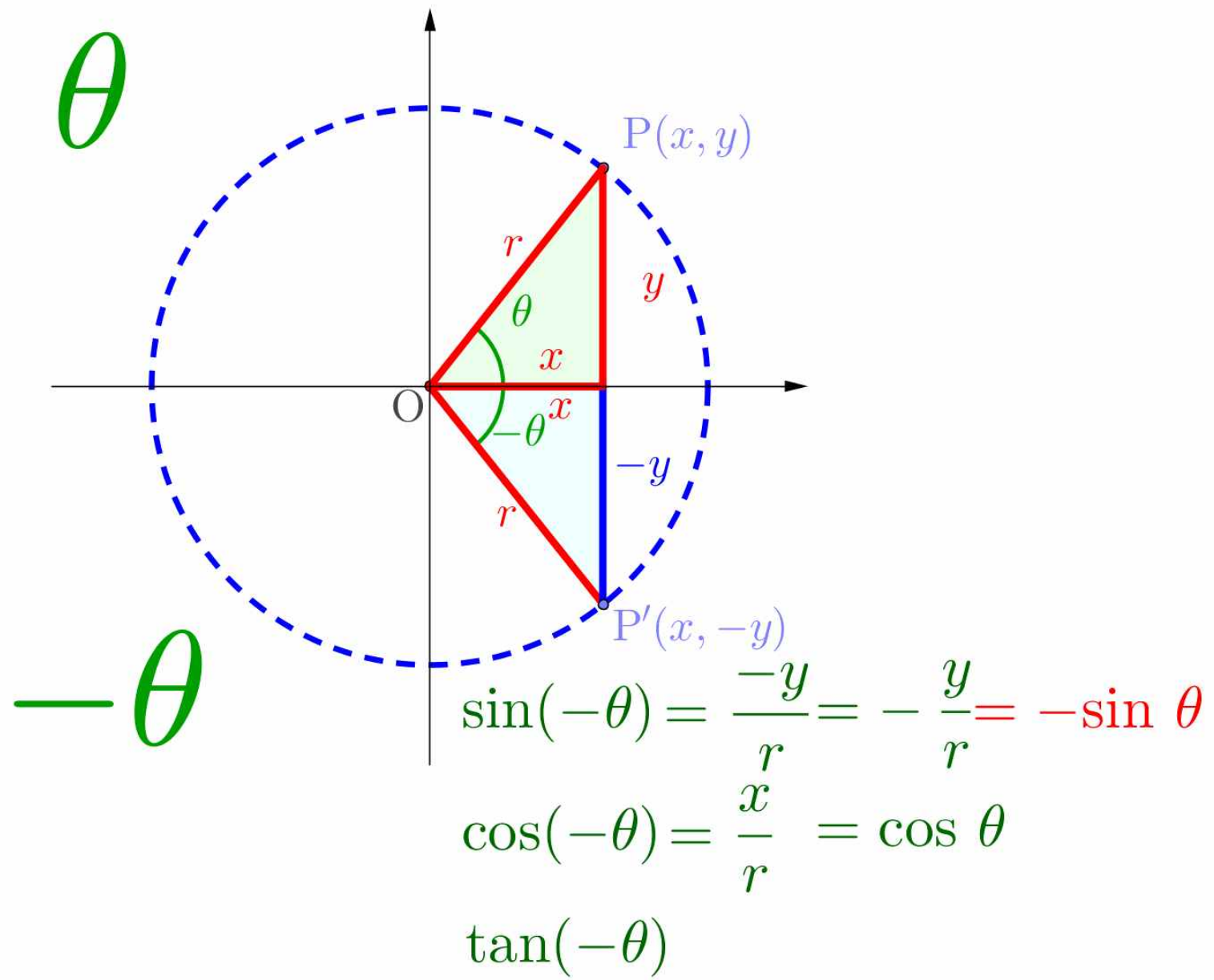


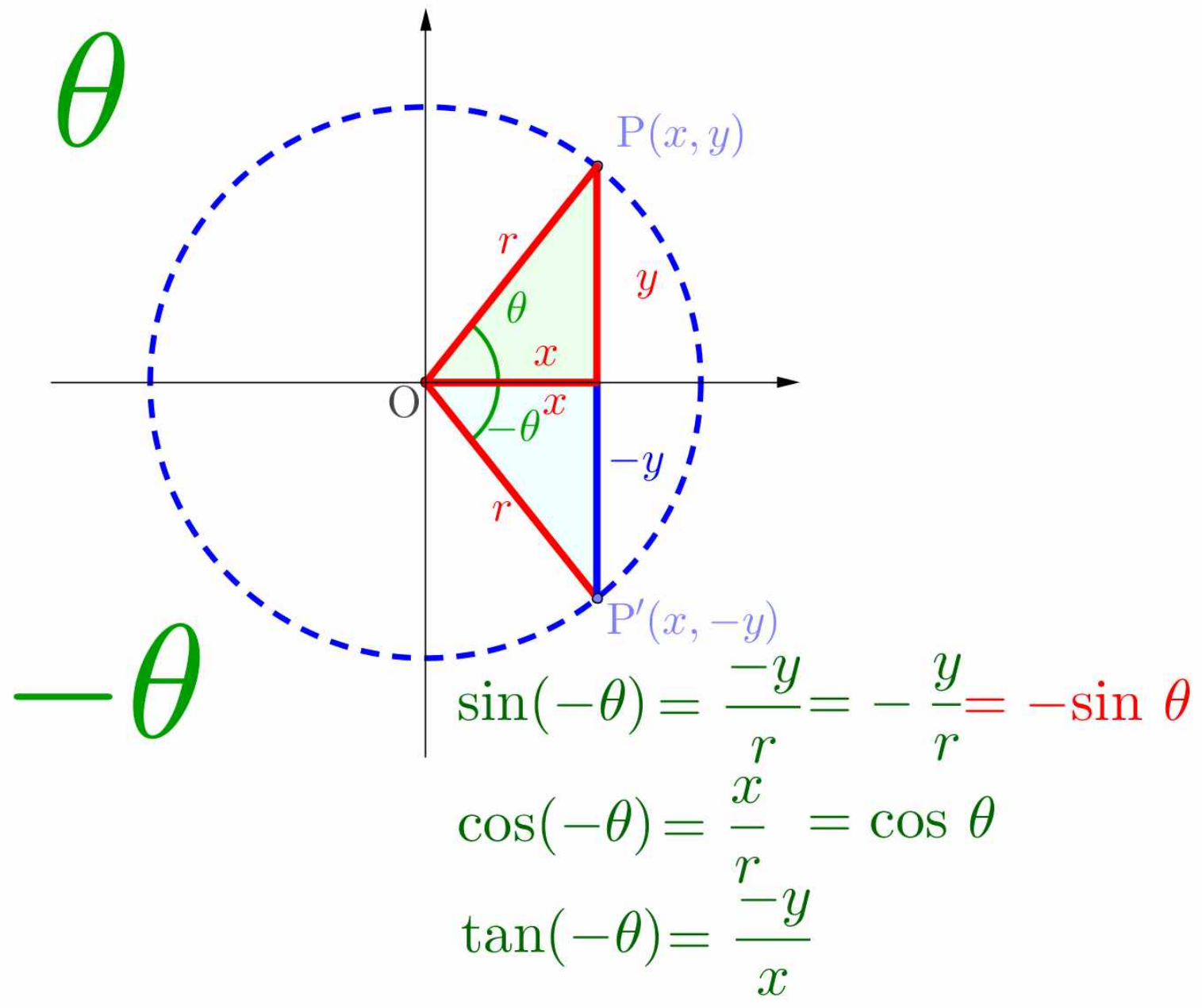




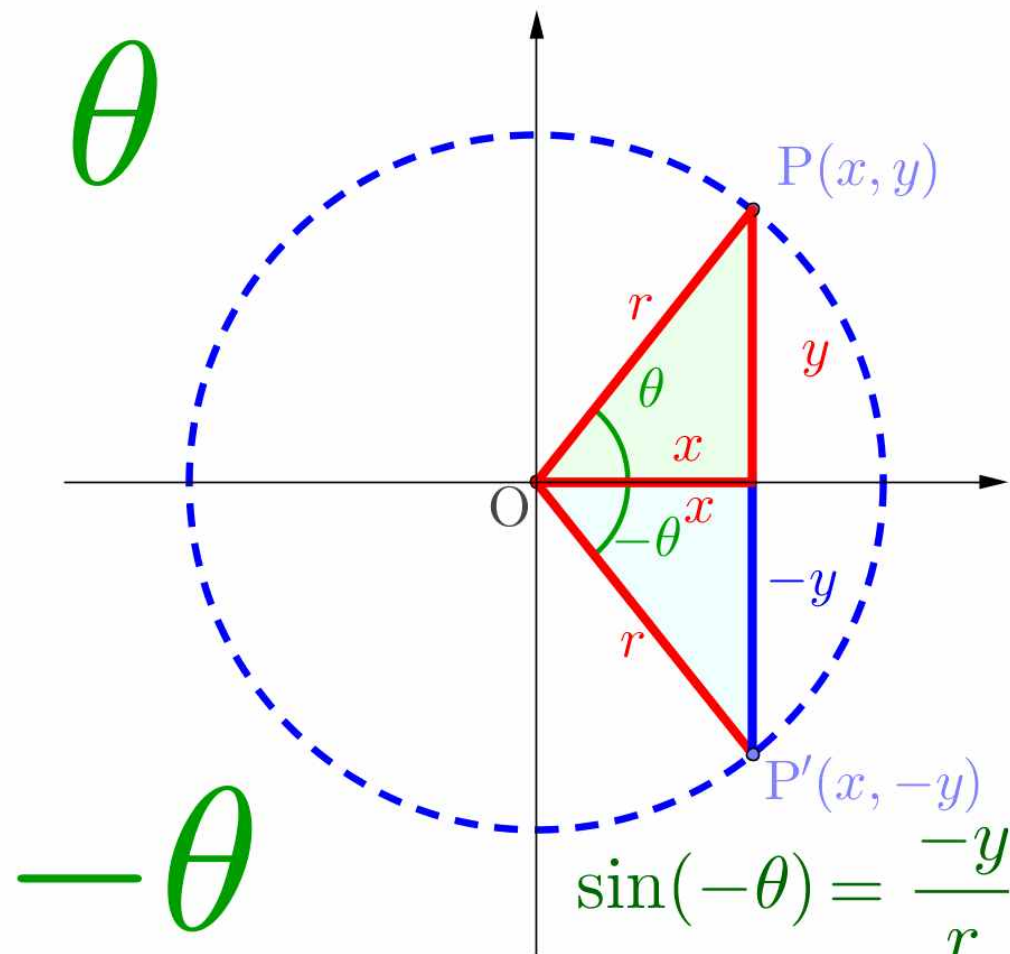
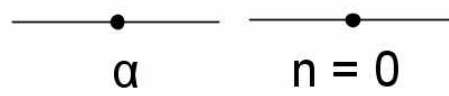










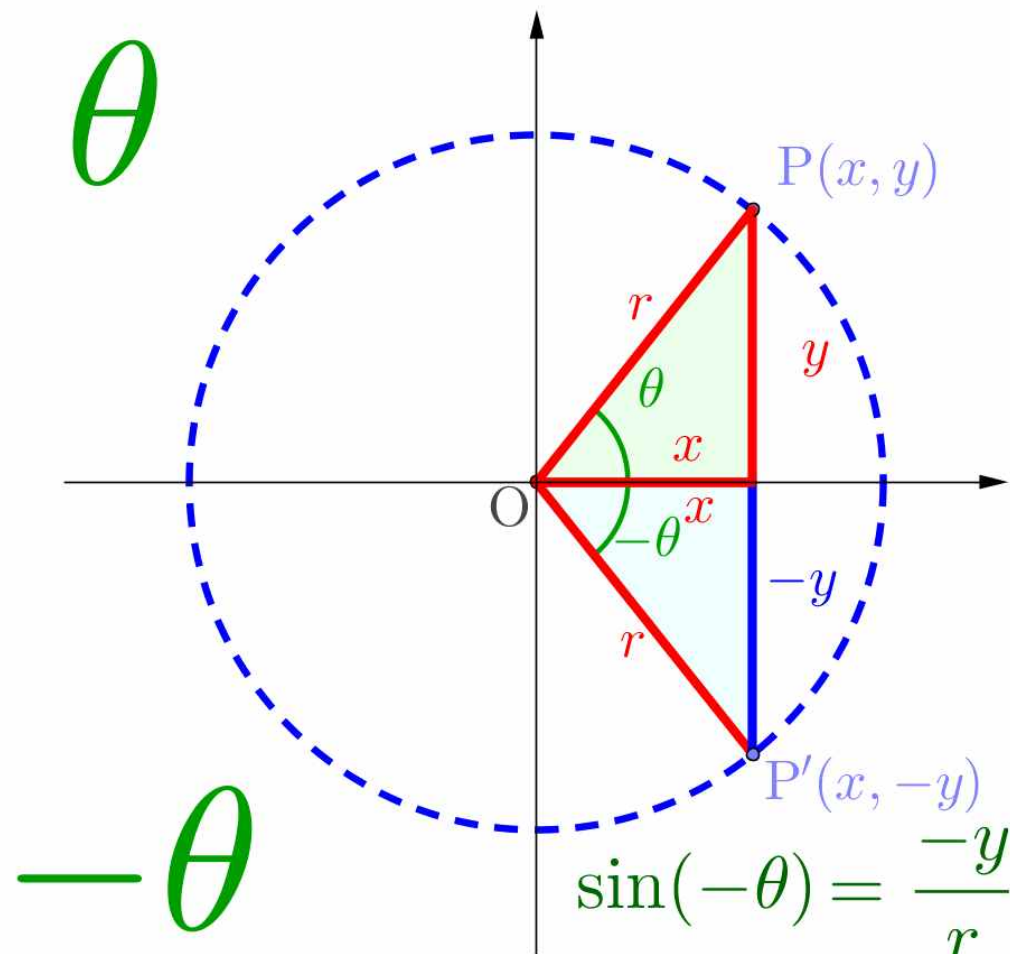
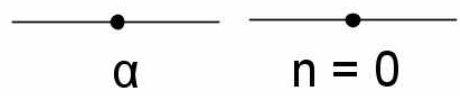


$-\theta$

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

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

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



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

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

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