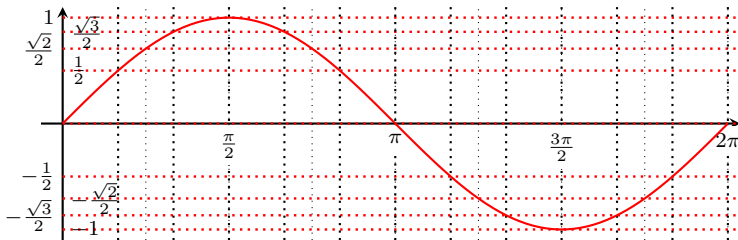
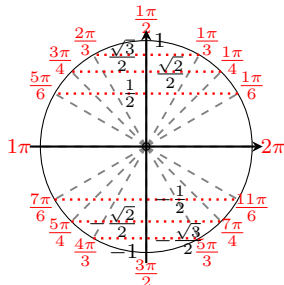


三角関数

0800. 三角関数のグラフ

$y = \sin x$ のグラフ

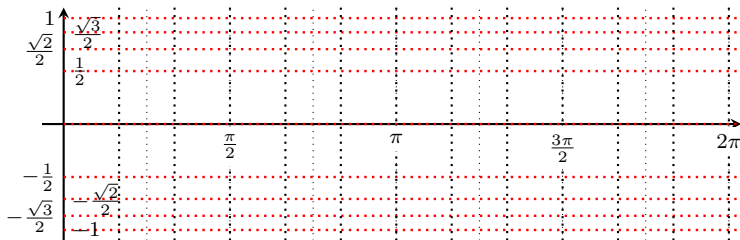
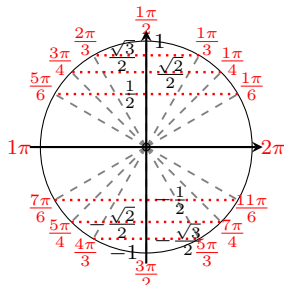


今回の学習目標

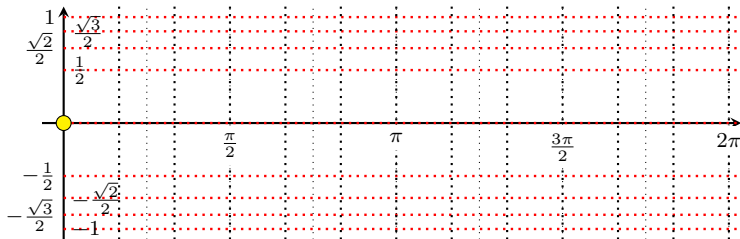
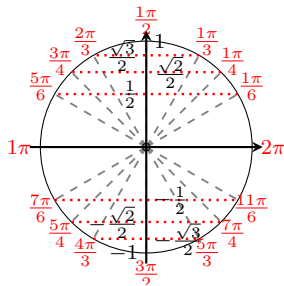
三角関数のグラフの特徴

- サイン、コサインは波を表す。

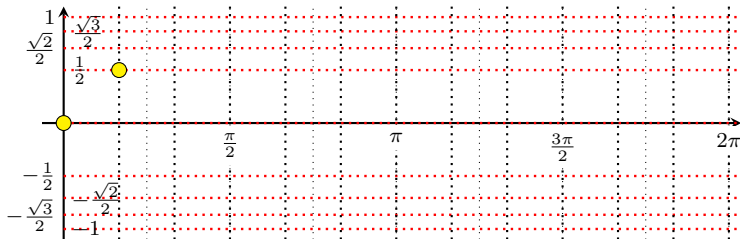
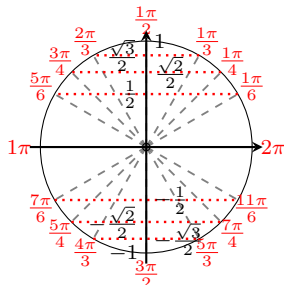
$$y = \sin x$$



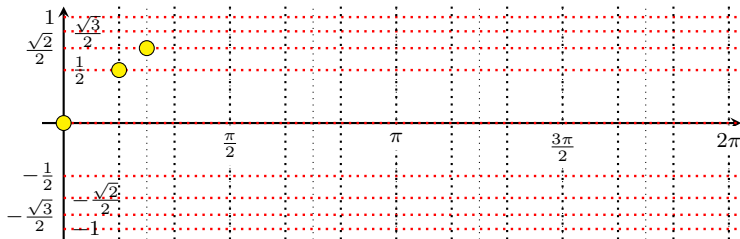
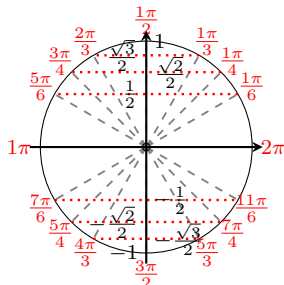
$$y = \sin x$$



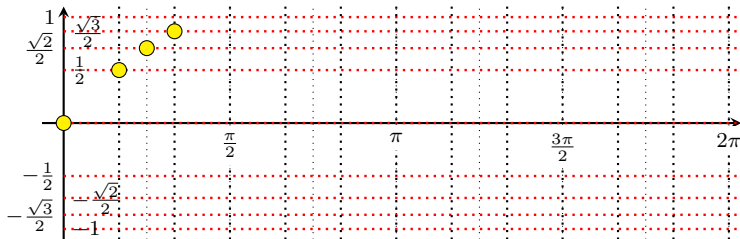
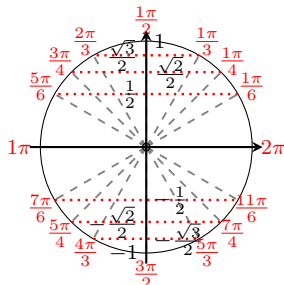
$$y = \sin x$$



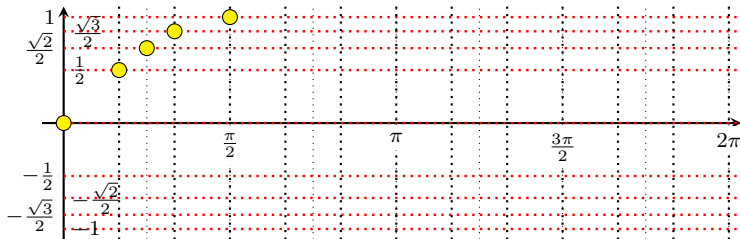
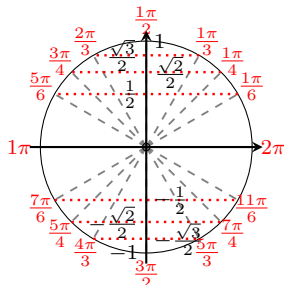
$$y = \sin x$$



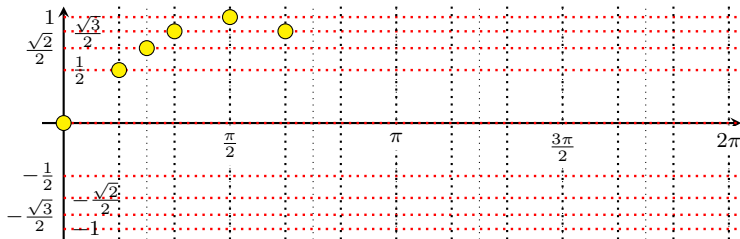
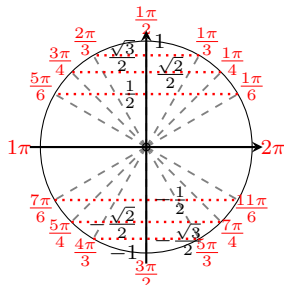
$$y = \sin x$$



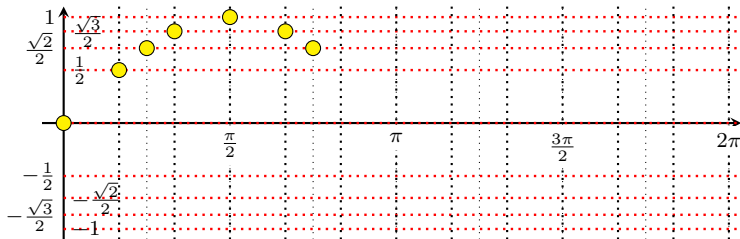
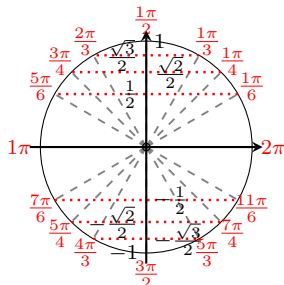
$$y = \sin x$$



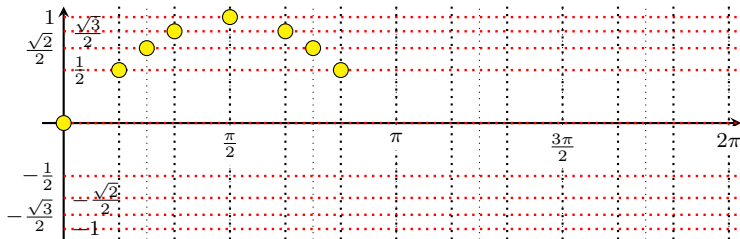
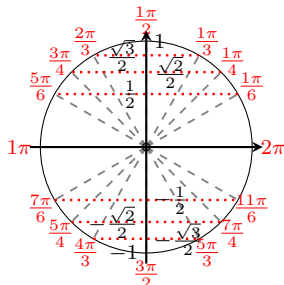
$$y = \sin x$$



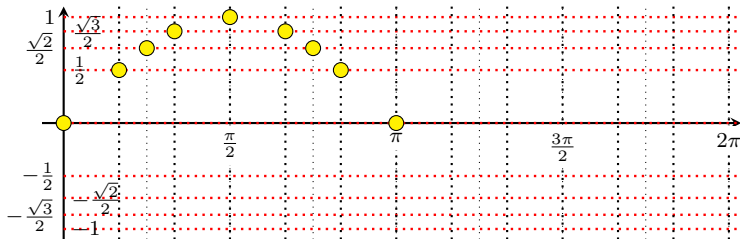
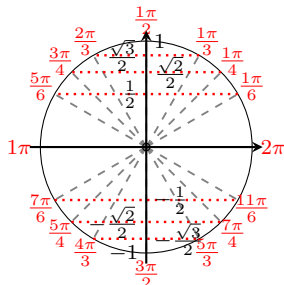
$$y = \sin x$$



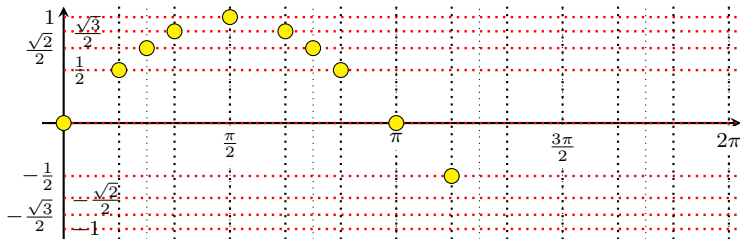
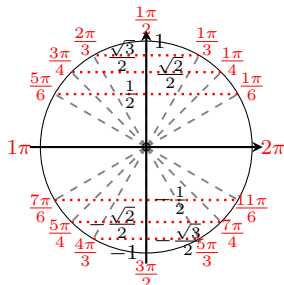
$$y = \sin x$$



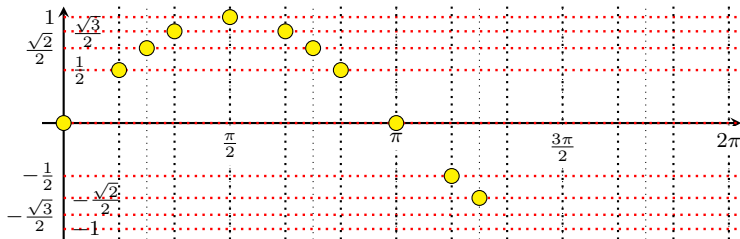
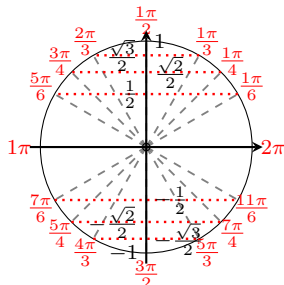
$$y = \sin x$$



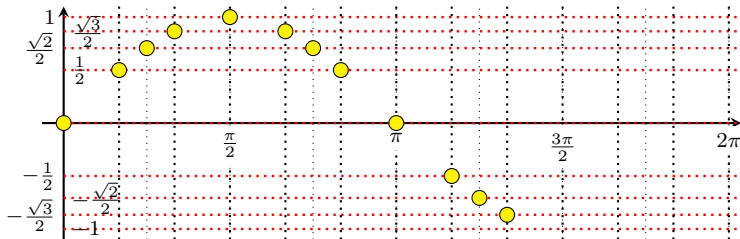
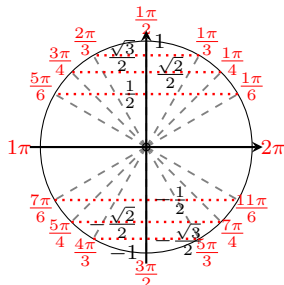
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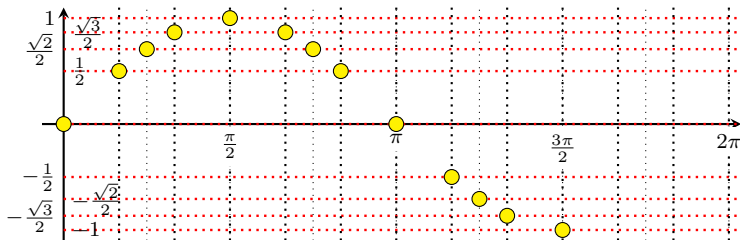
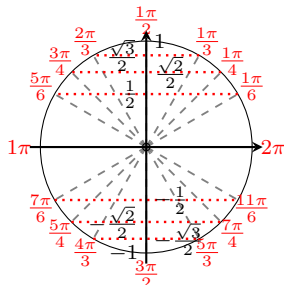
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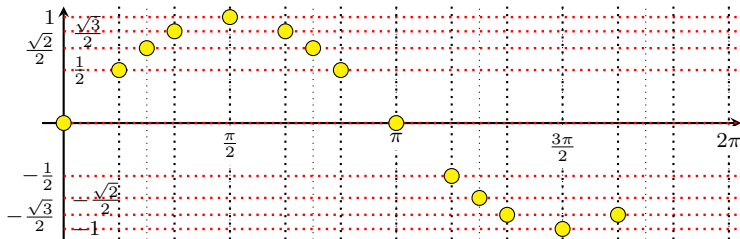
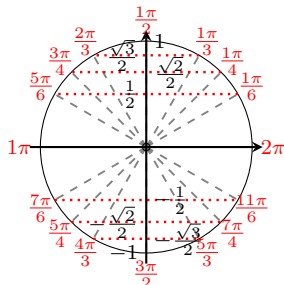
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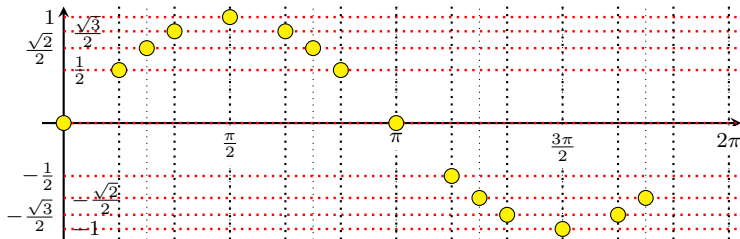
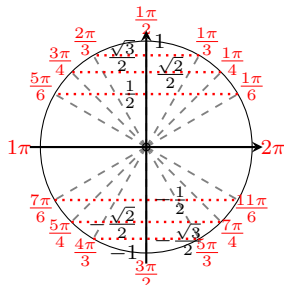
$$y = \sin x$$



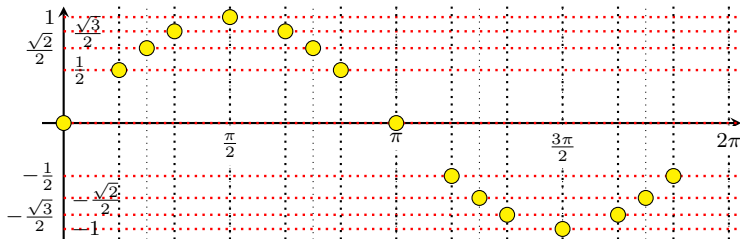
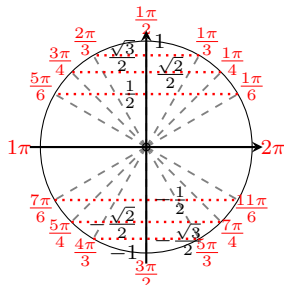
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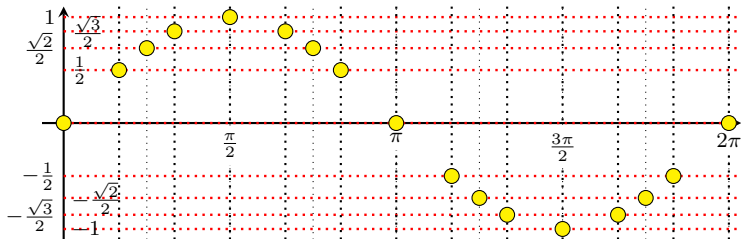
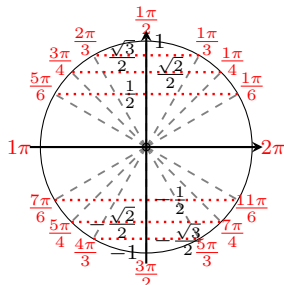
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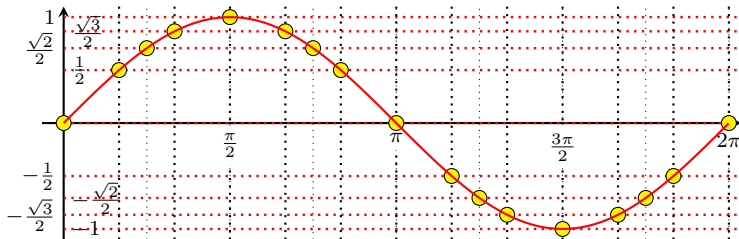
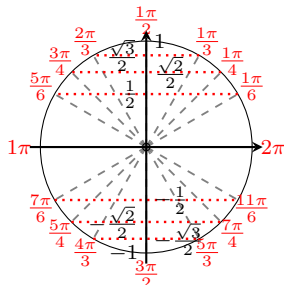
$$y = \sin x$$



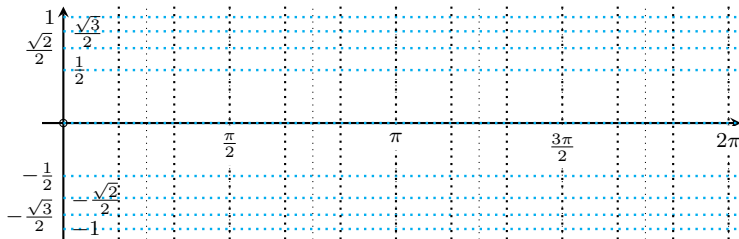
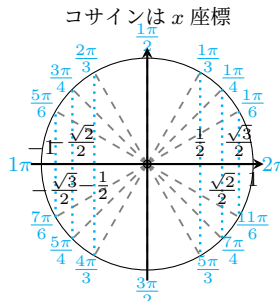
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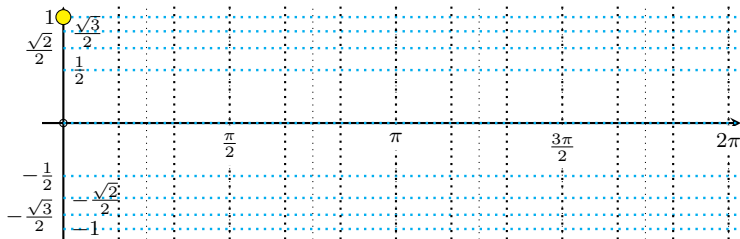
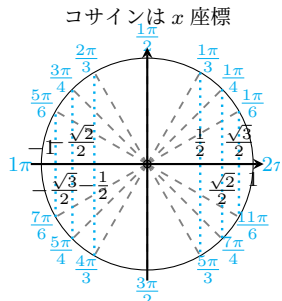
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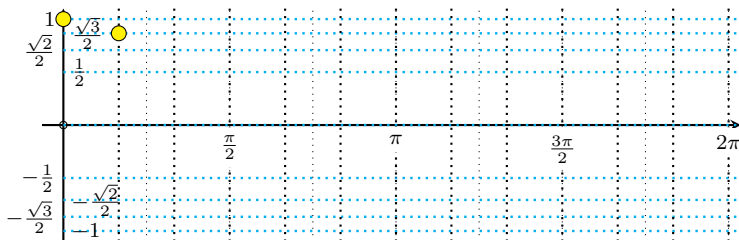
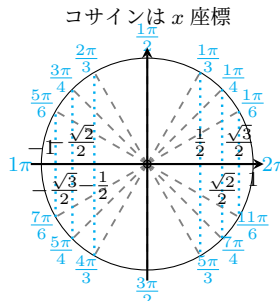
$$y = \cos x$$



$$y = \cos x$$

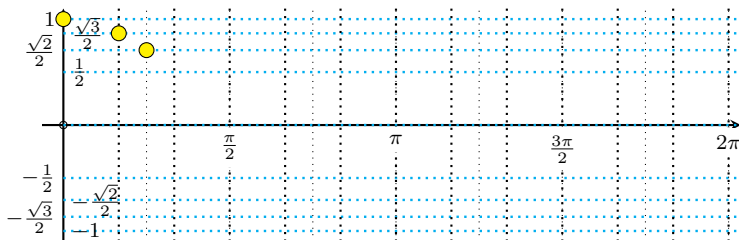
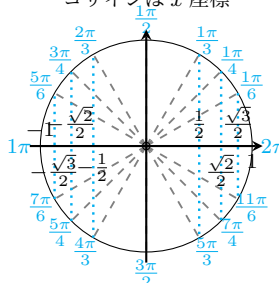


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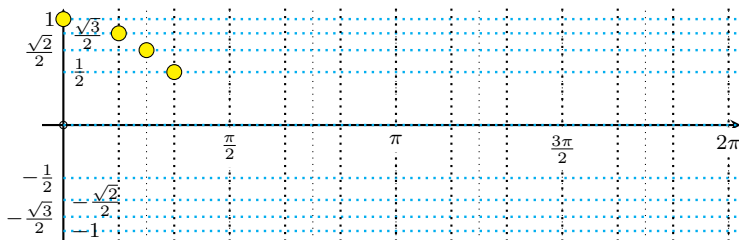
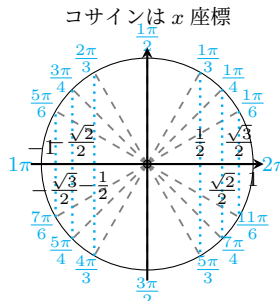


$$y = \cos x$$

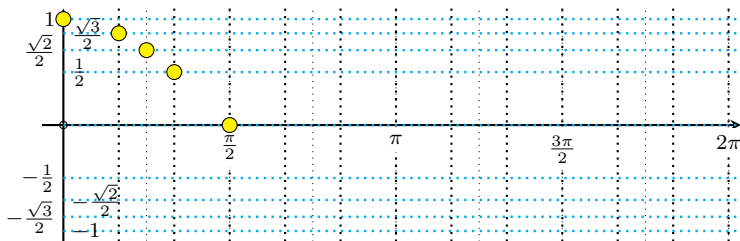
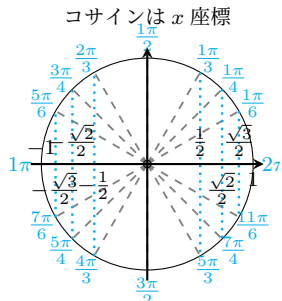
コサインは x 座標



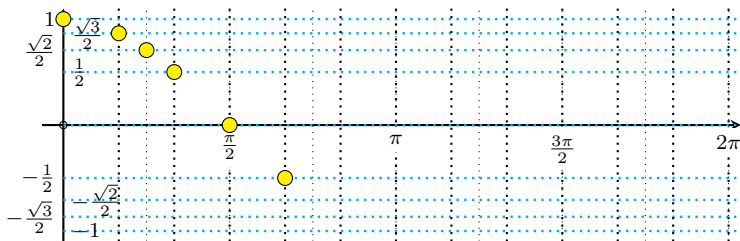
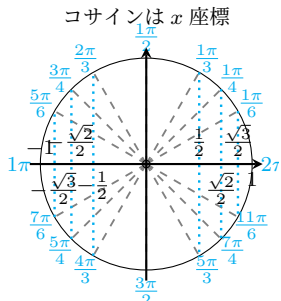
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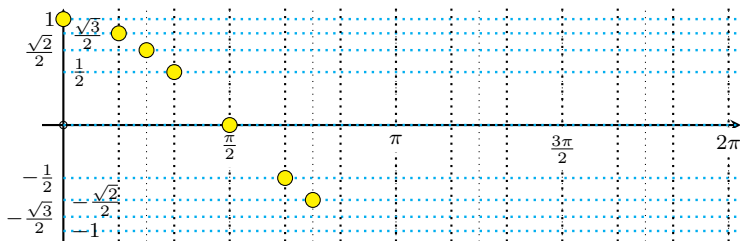
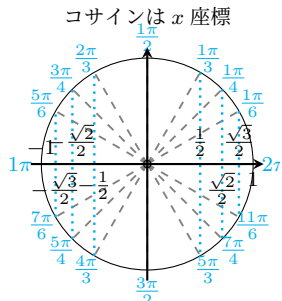
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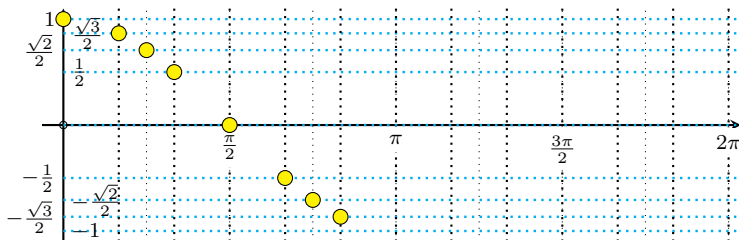
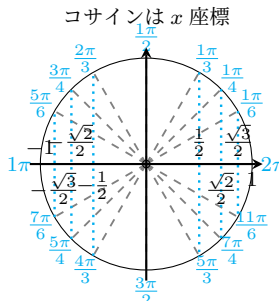
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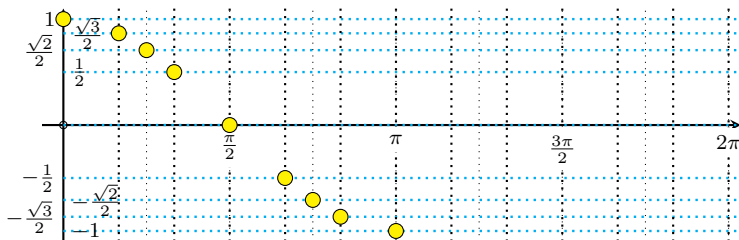
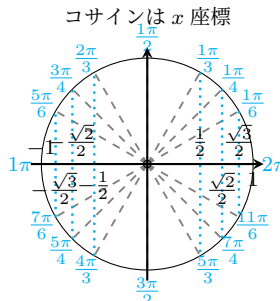
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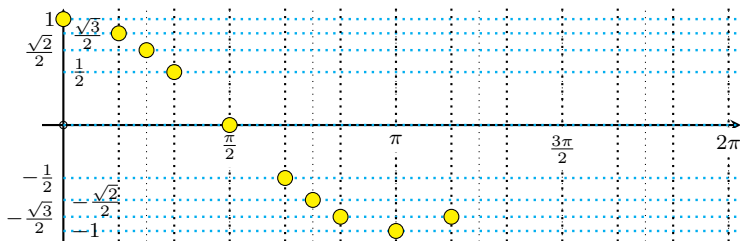
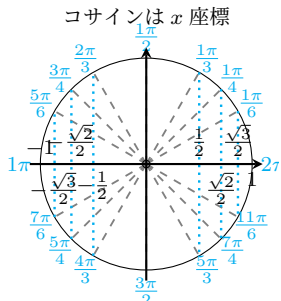
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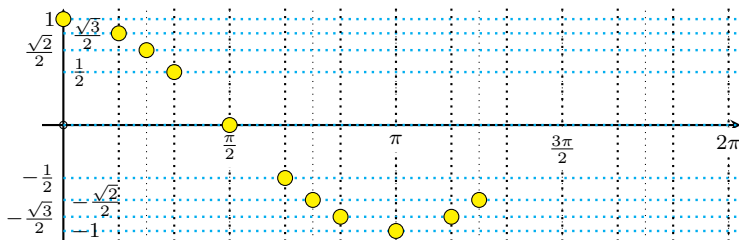
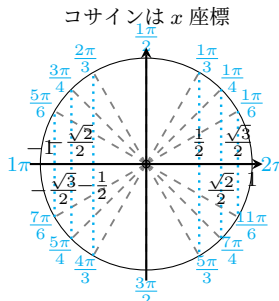
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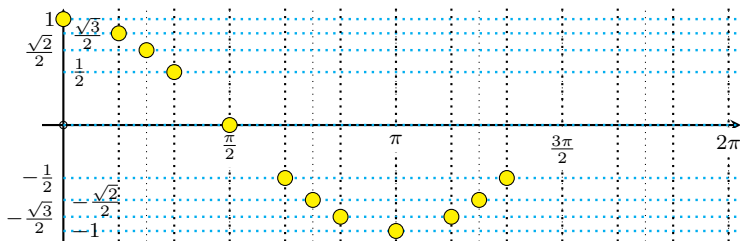
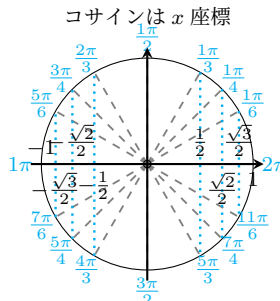
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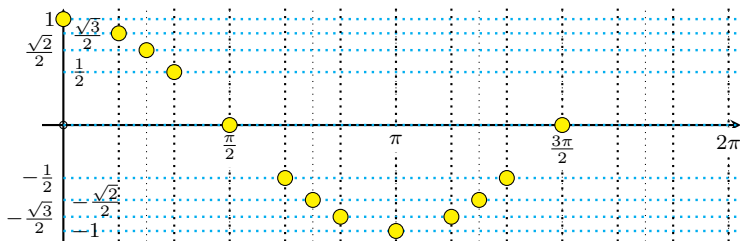
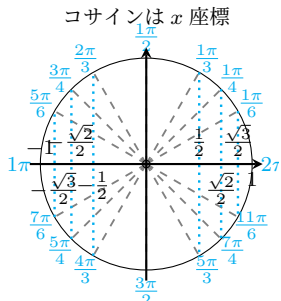
$$y = \cos x$$



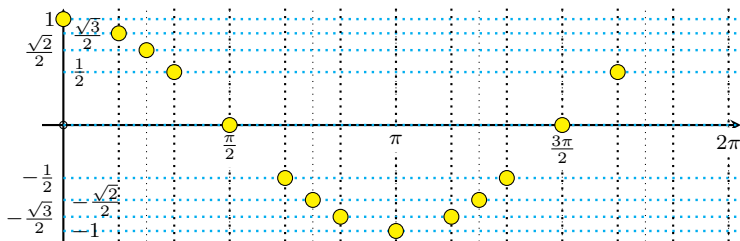
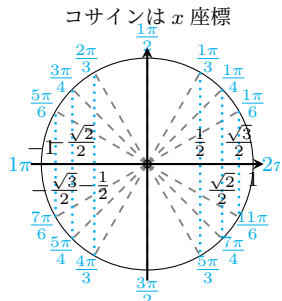
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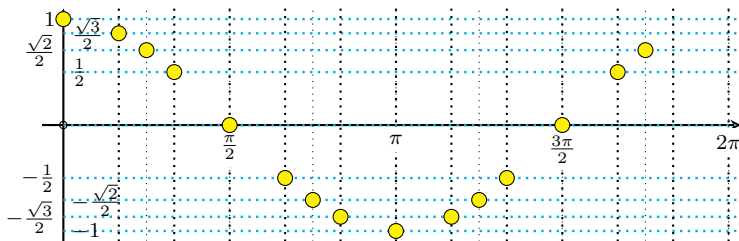
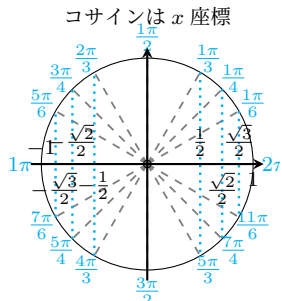
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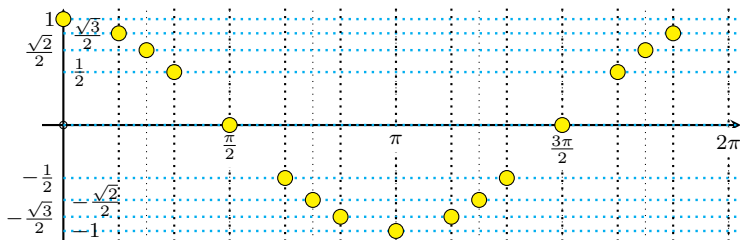
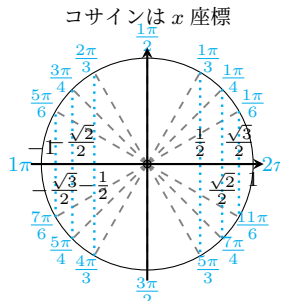
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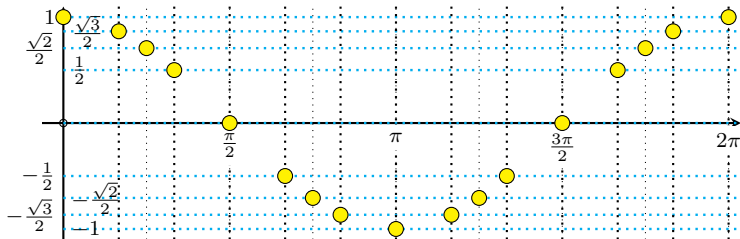
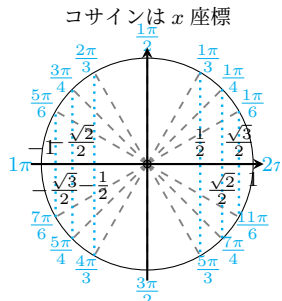
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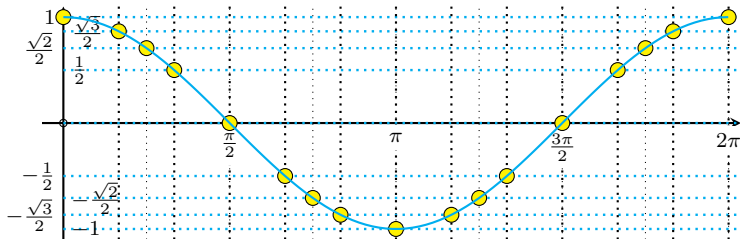
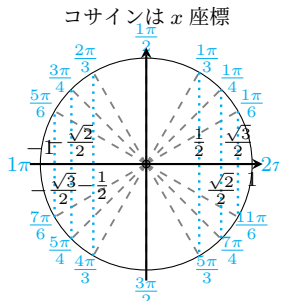
$$y = \cos x$$



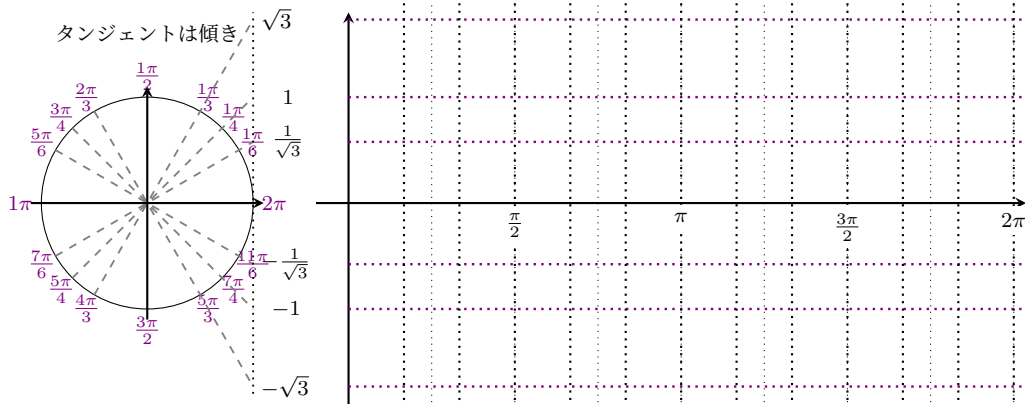
$$y = \cos x$$



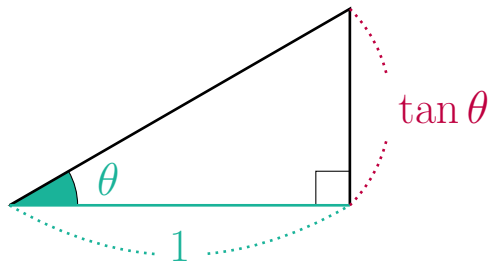
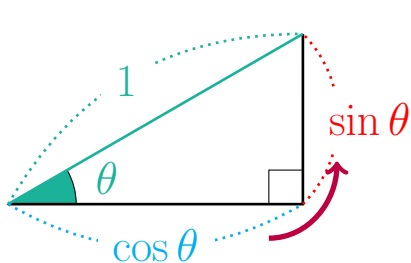
$$y = \cos x$$



$$y = \tan x$$

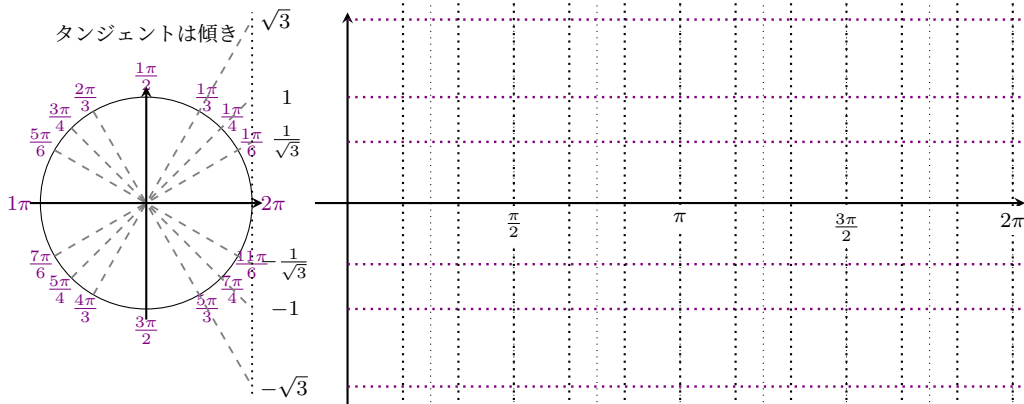


数学 I では、 $\sin \theta, \cos \theta, \tan \theta$ を次のように定義した。

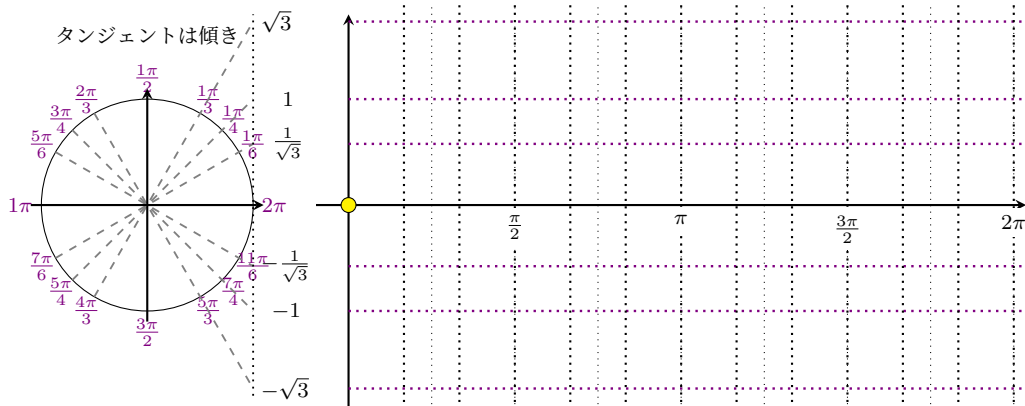


$$\tan \theta = \frac{\sin \theta}{\cos \theta}$$

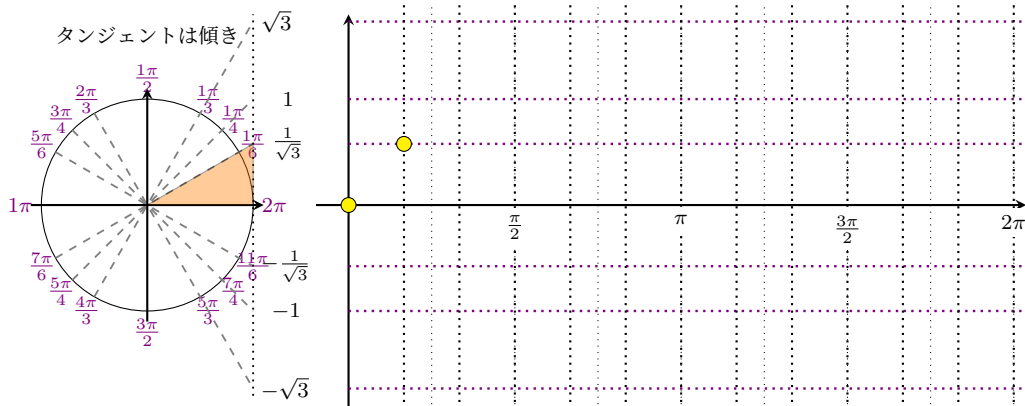
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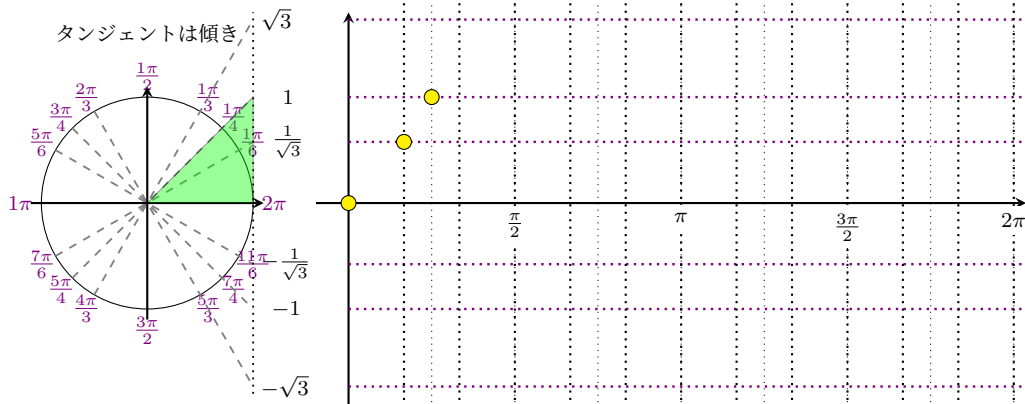
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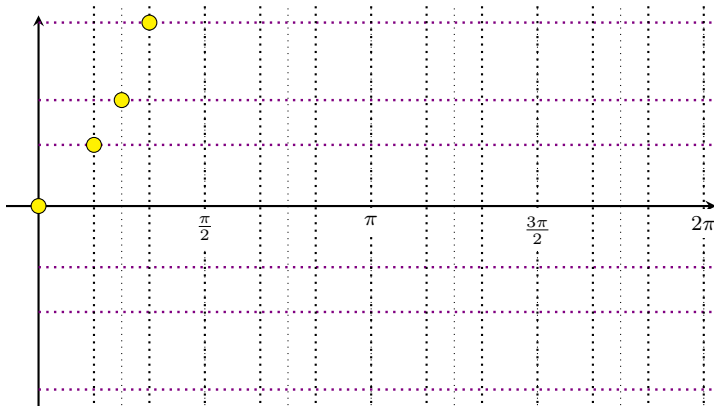
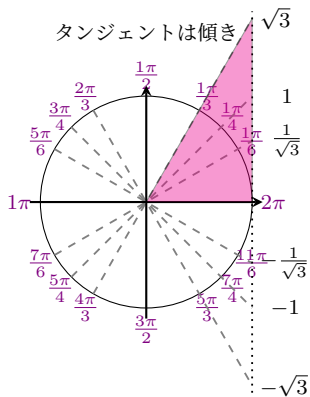
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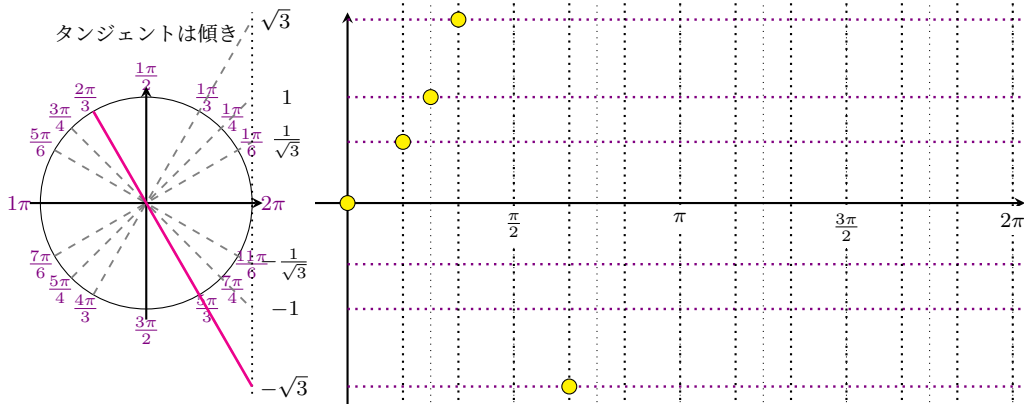
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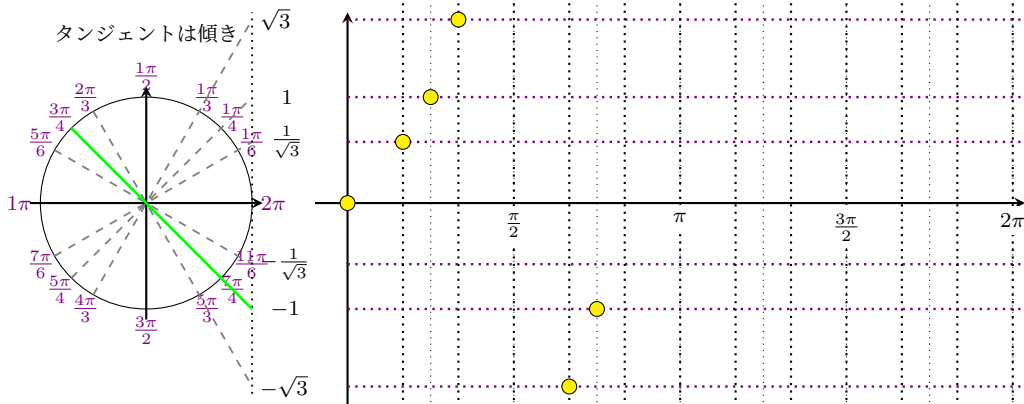
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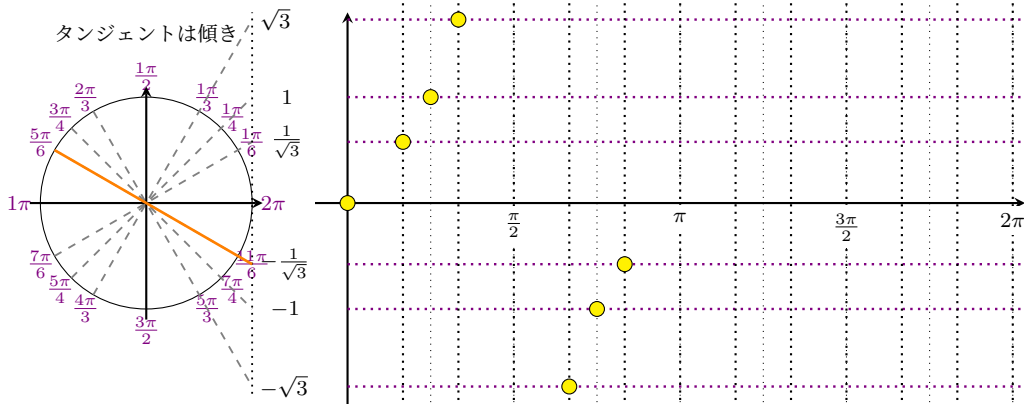
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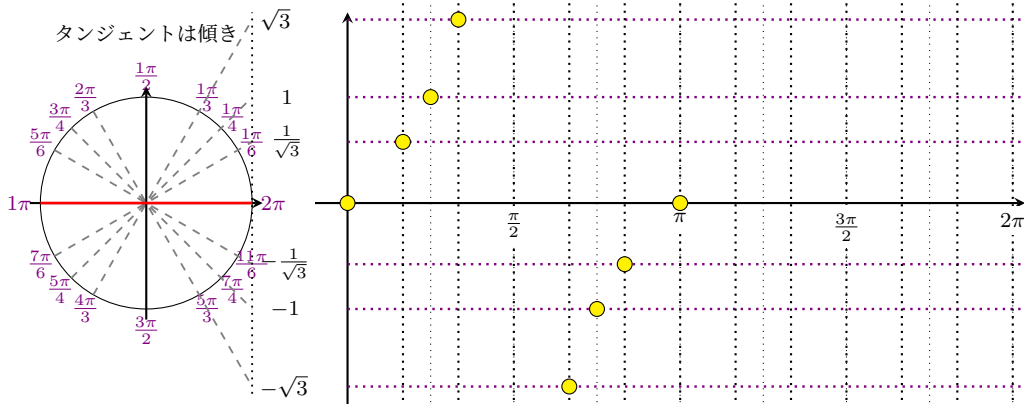
$$y = \tan x$$



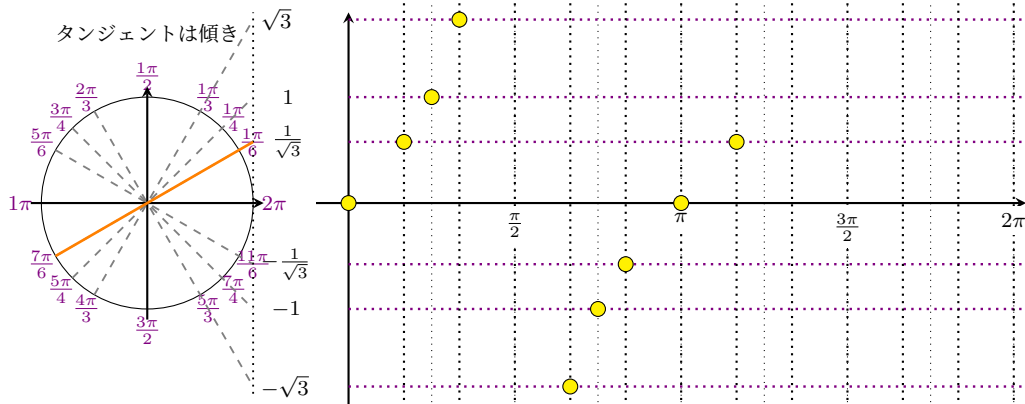
$$y = \tan x$$



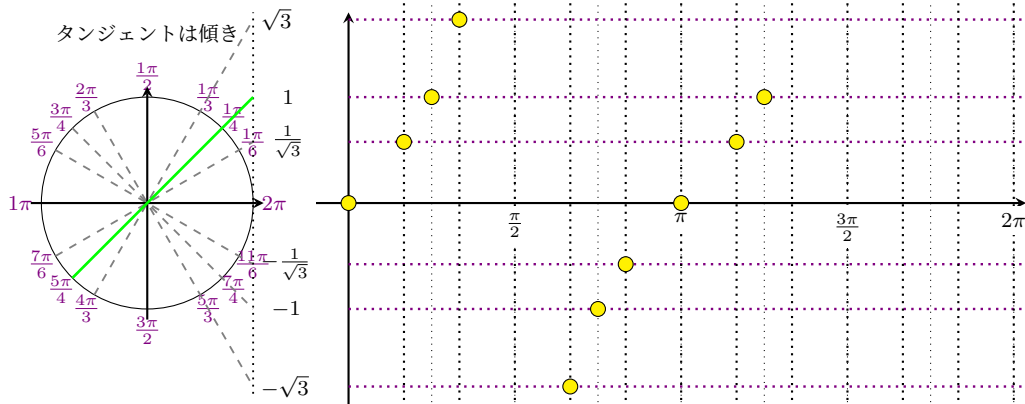
$$y = \tan x$$



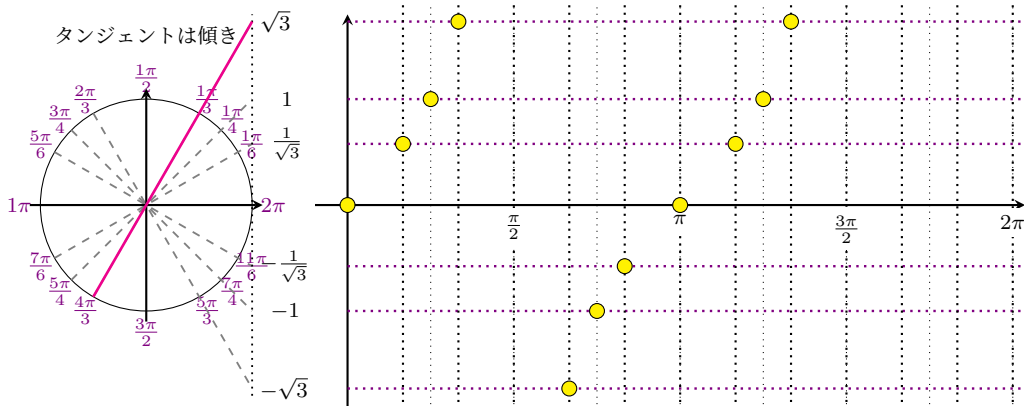
$$y = \tan x$$



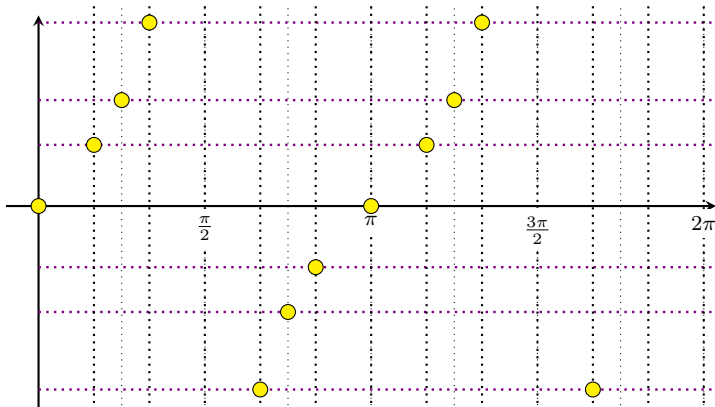
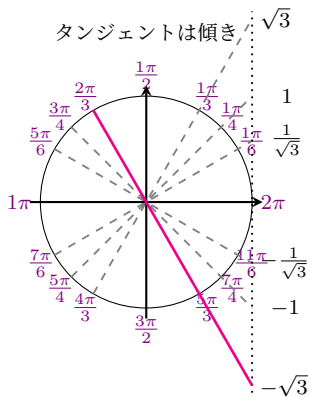
$$y = \tan x$$



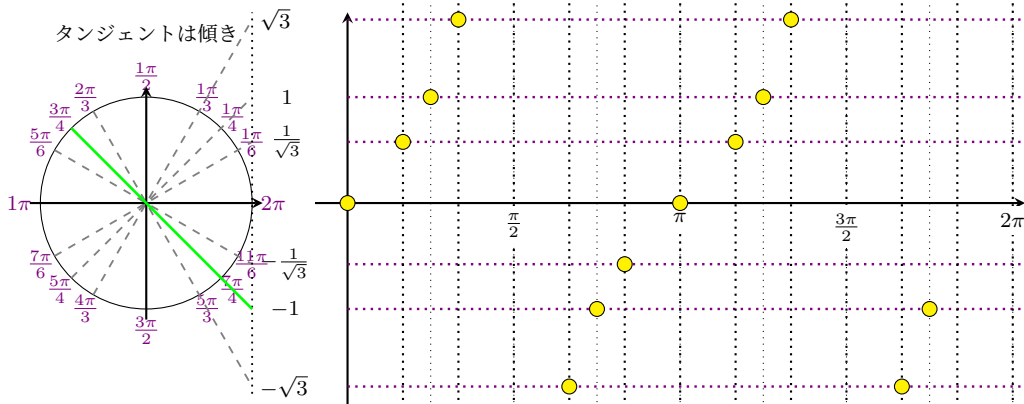
$$y = \tan x$$



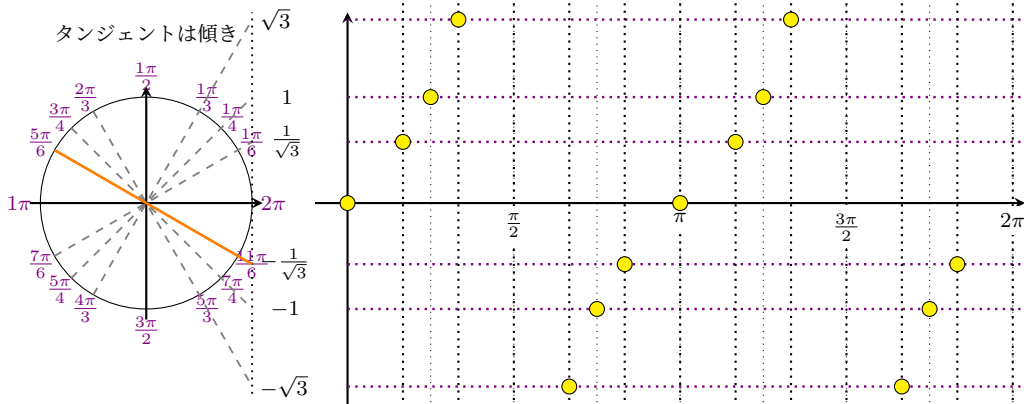
$$y = \tan x$$



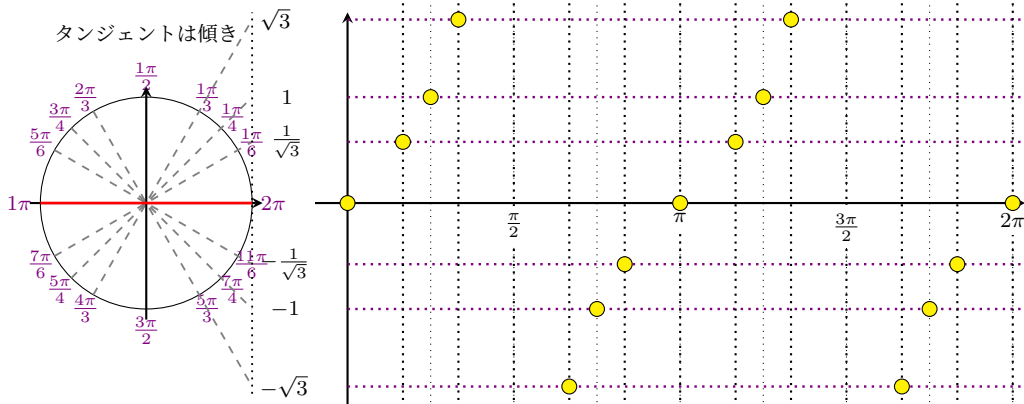
$$y = \tan x$$



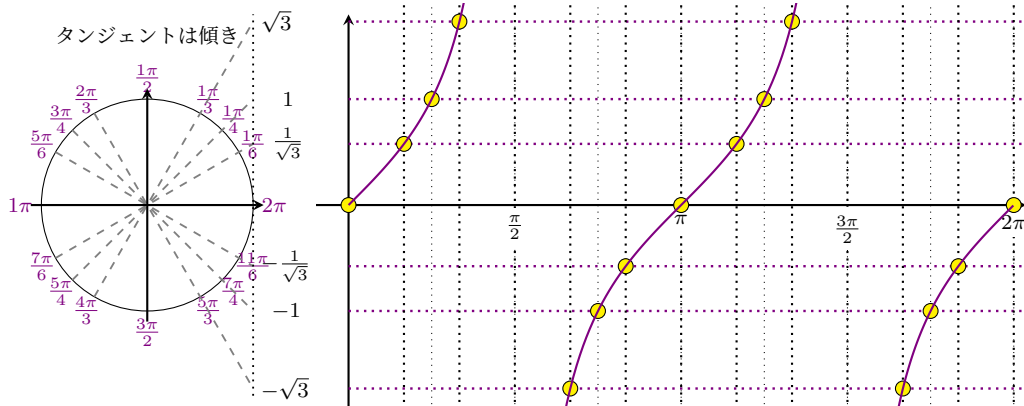
$$y = \tan x$$



$$y = \tan x$$



$$y = \tan x$$



今回の学習目標

三角関数のグラフの特徴

- サイン、コサインは波を表す。