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Графики функций

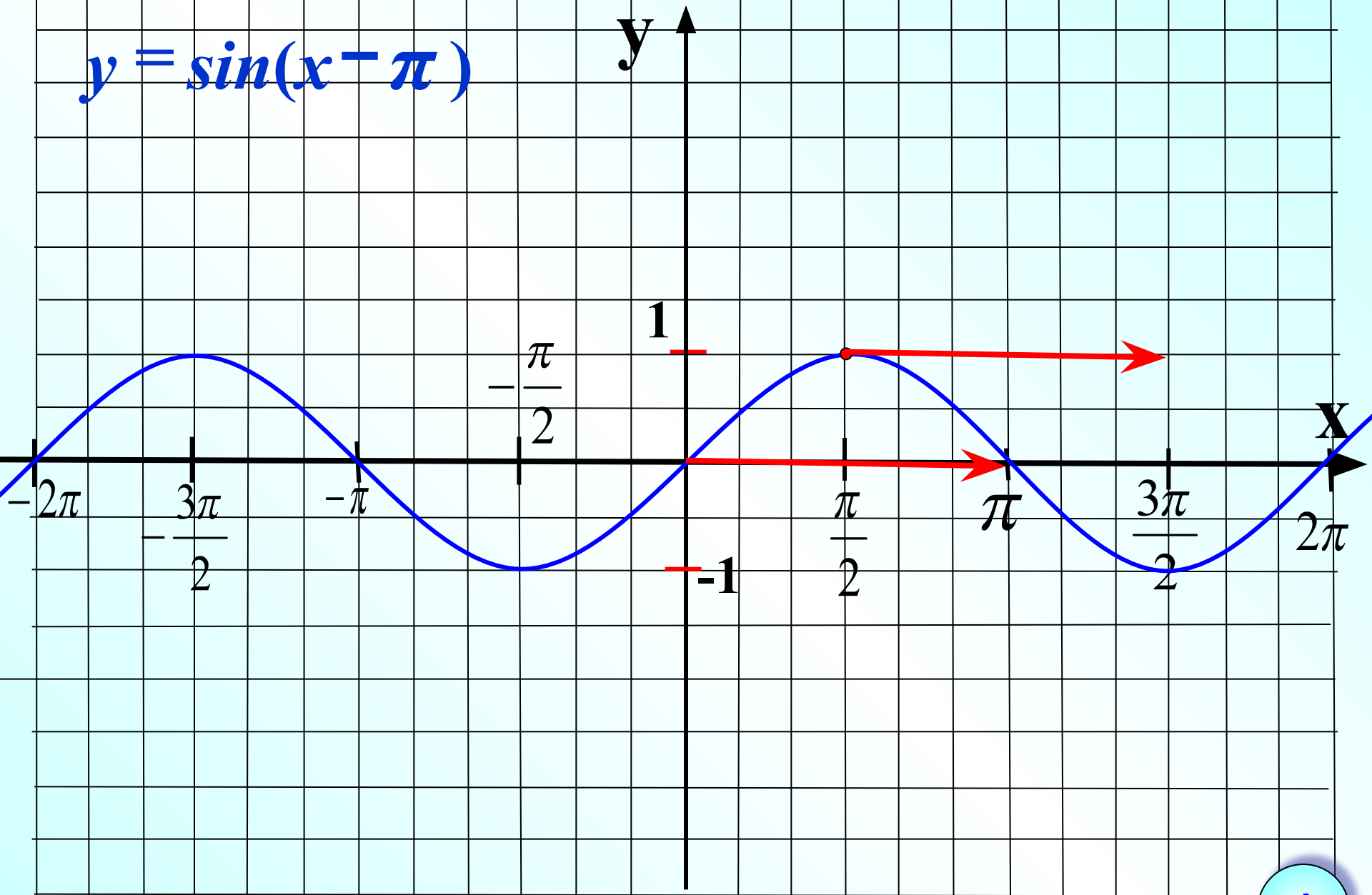
$y=\cos(x+a)$,

$y=\cos x+a$,

$y=\sin(x+a)$,

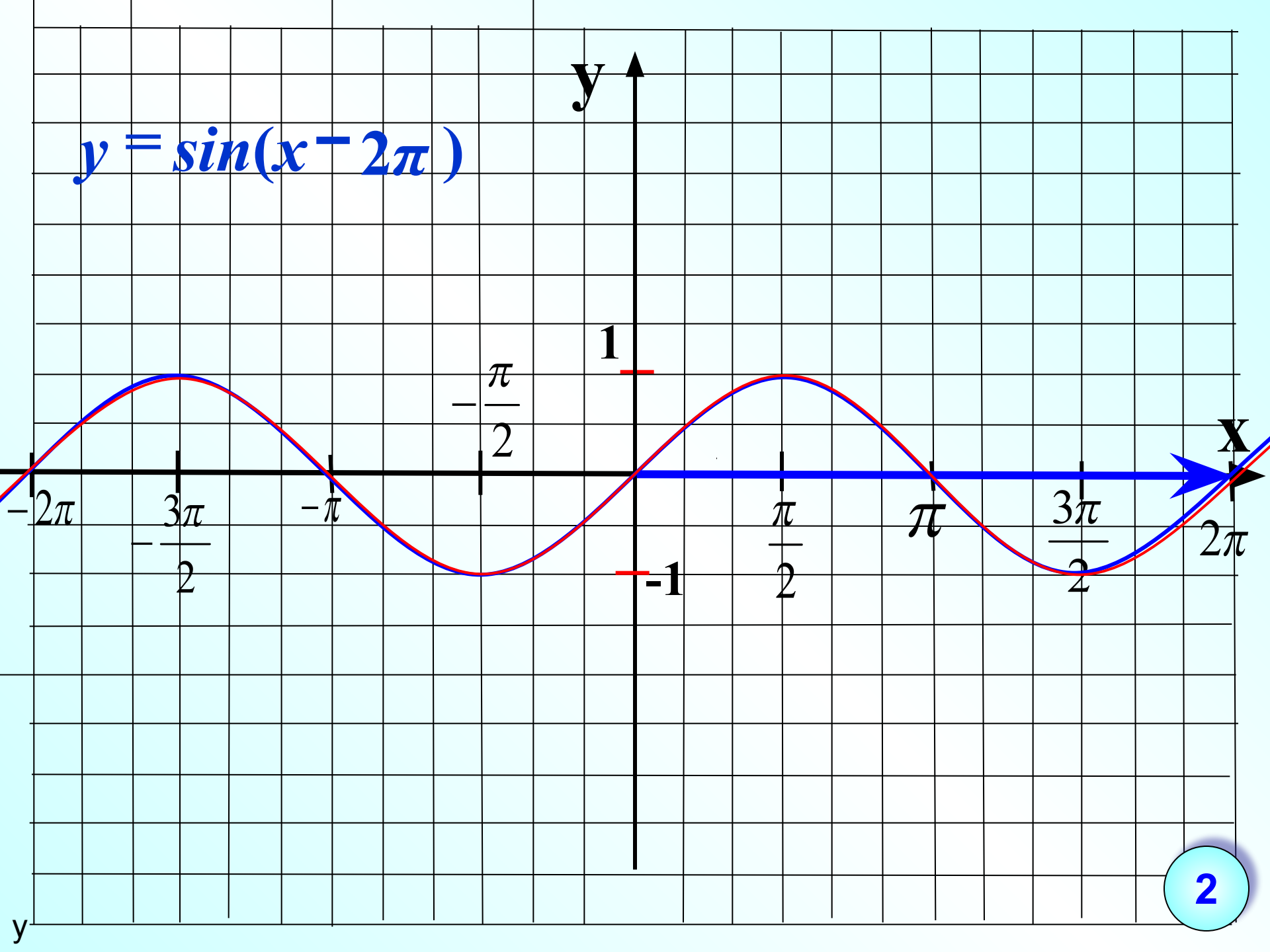
$y=\sin x+a$

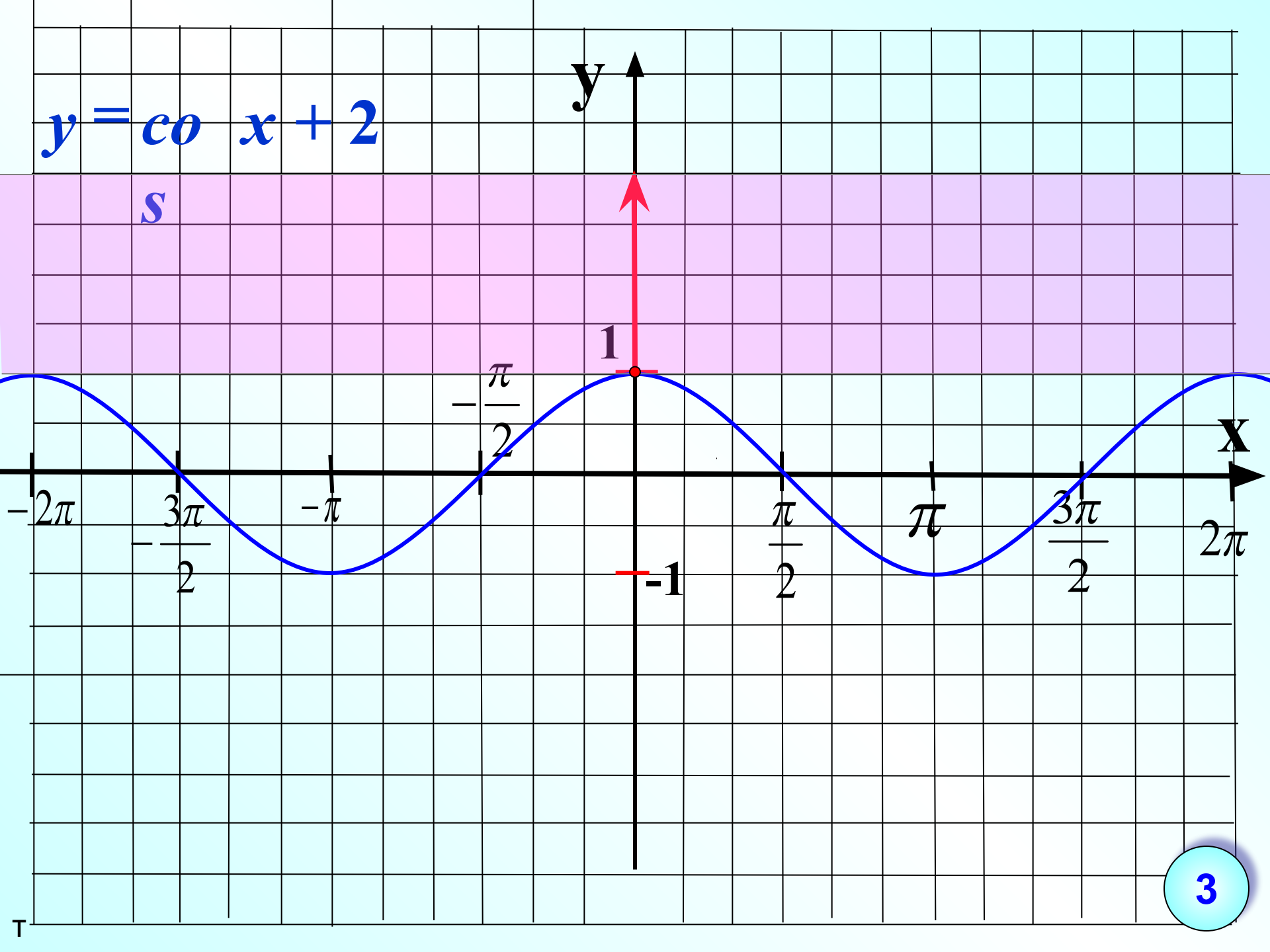
$y = \sin(x - \pi)$

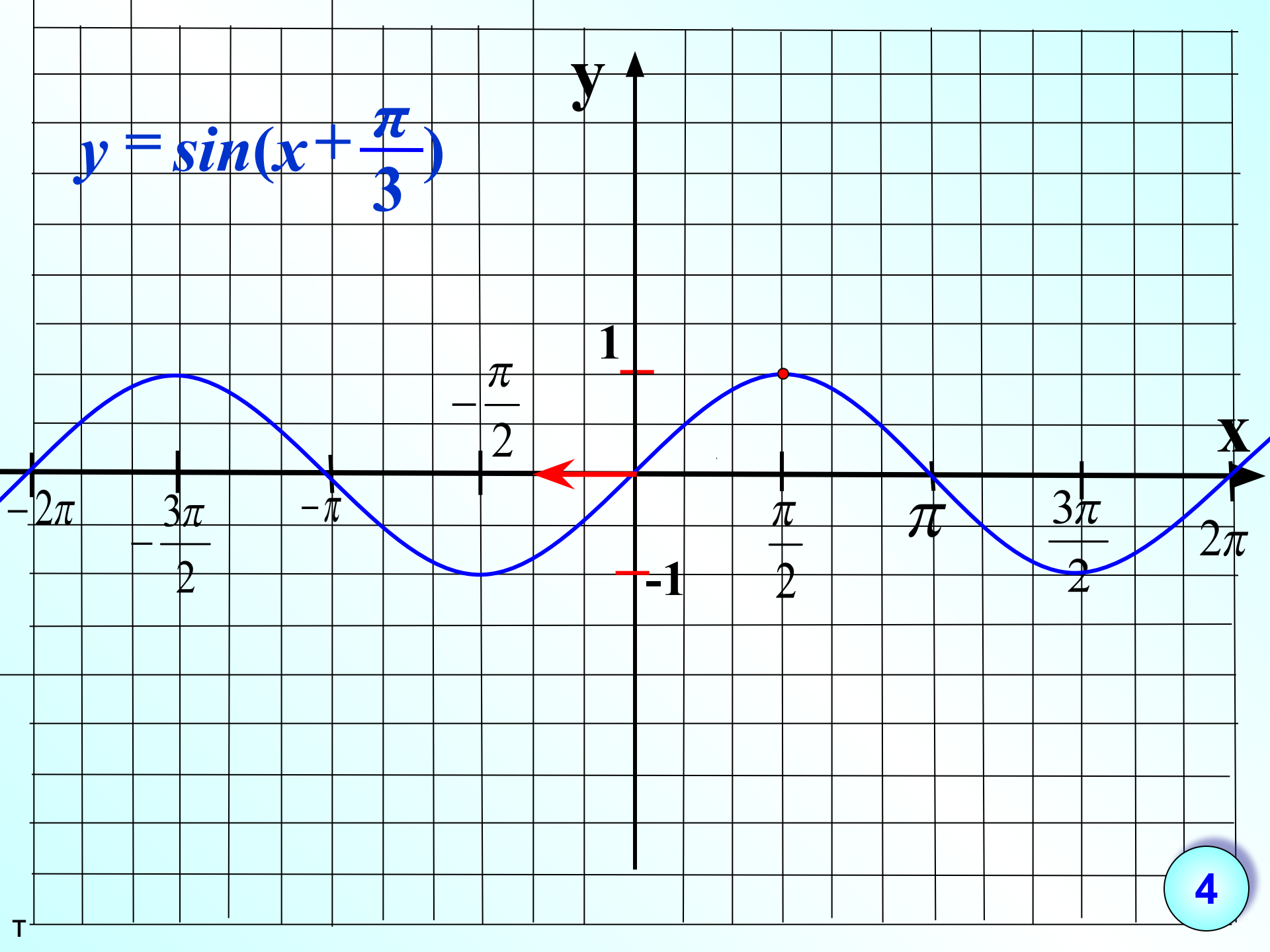


1

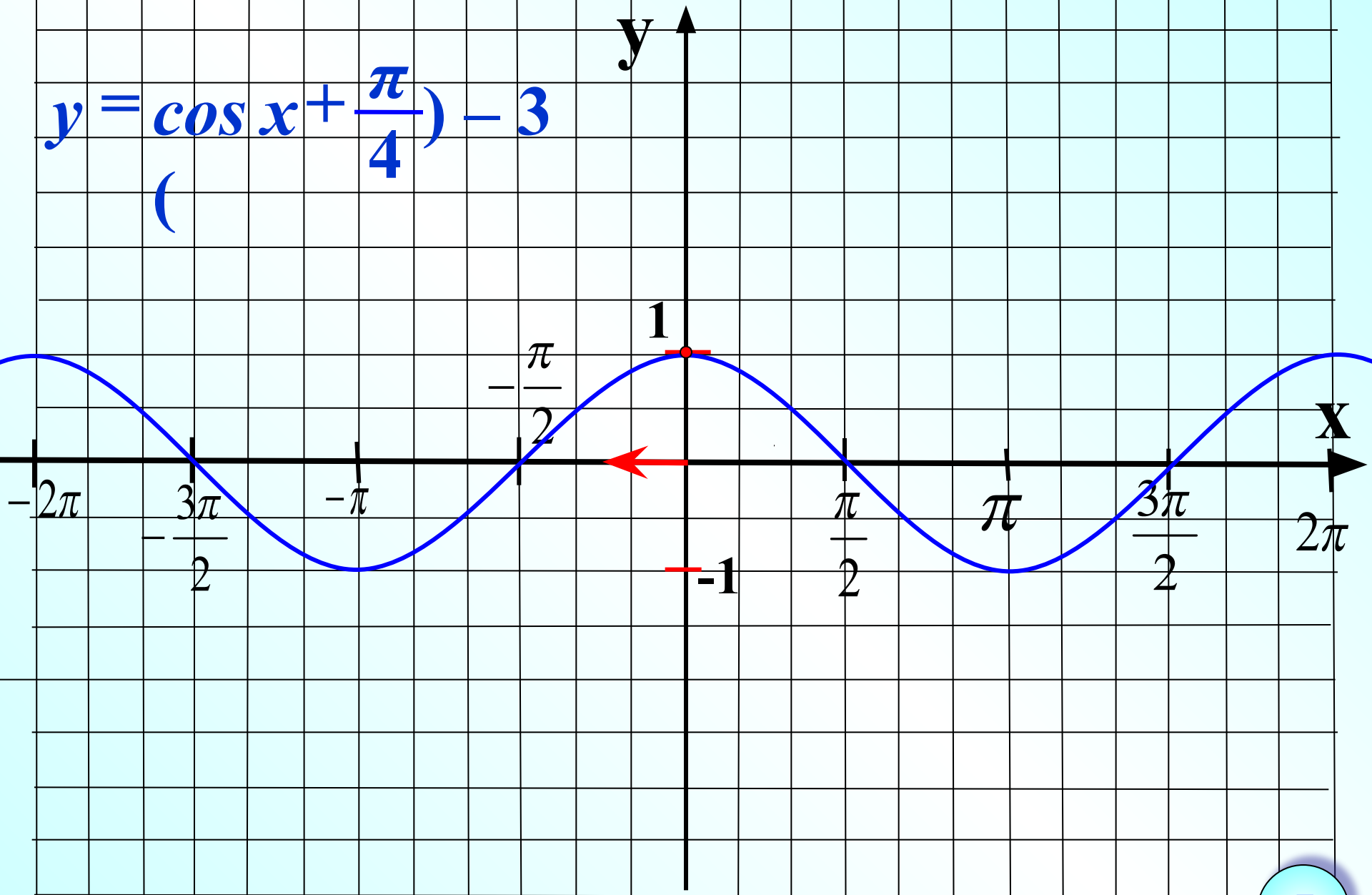
T

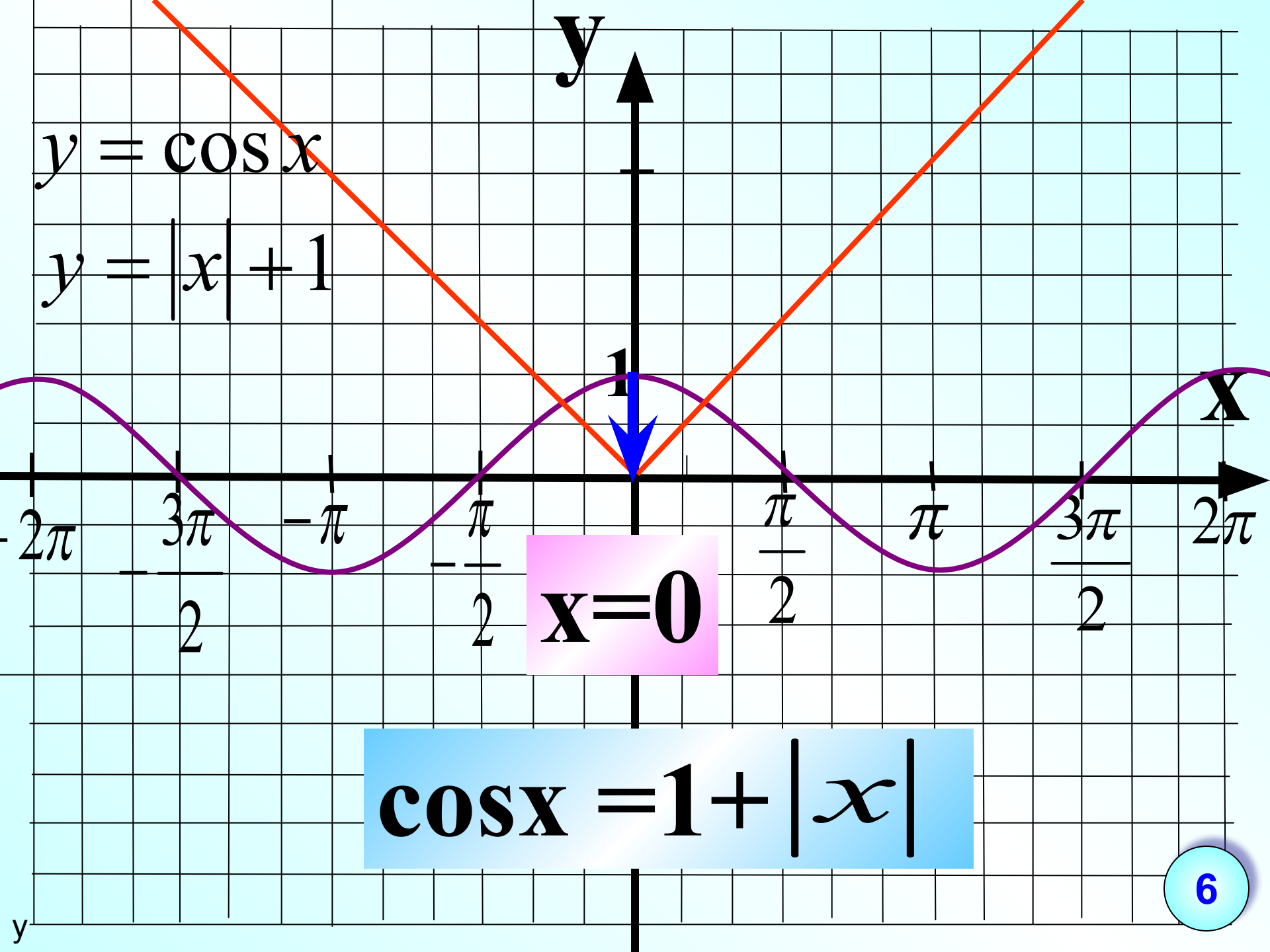

$y = \sin(x - 2\pi)$
y
x
1
-1
-2π
$-\frac{3\pi}{2}$
$-\pi$
$-\frac{\pi}{2}$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$
2π
y

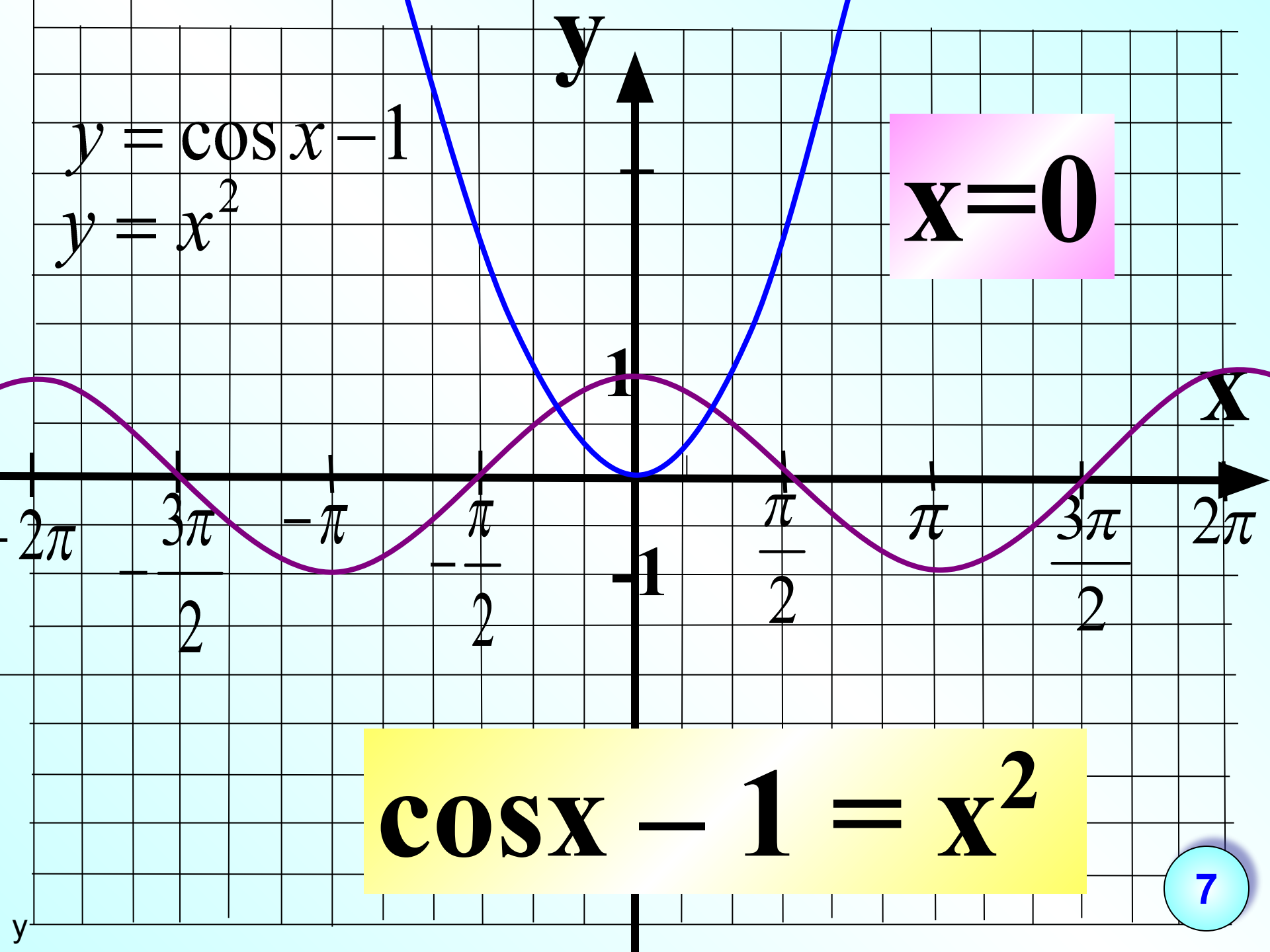

y = co x + 2
s
y
x
1
-1
$-\frac{\pi}{2}$
-2π
$-\frac{3\pi}{2}$
$-\pi$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$
2π
3
T

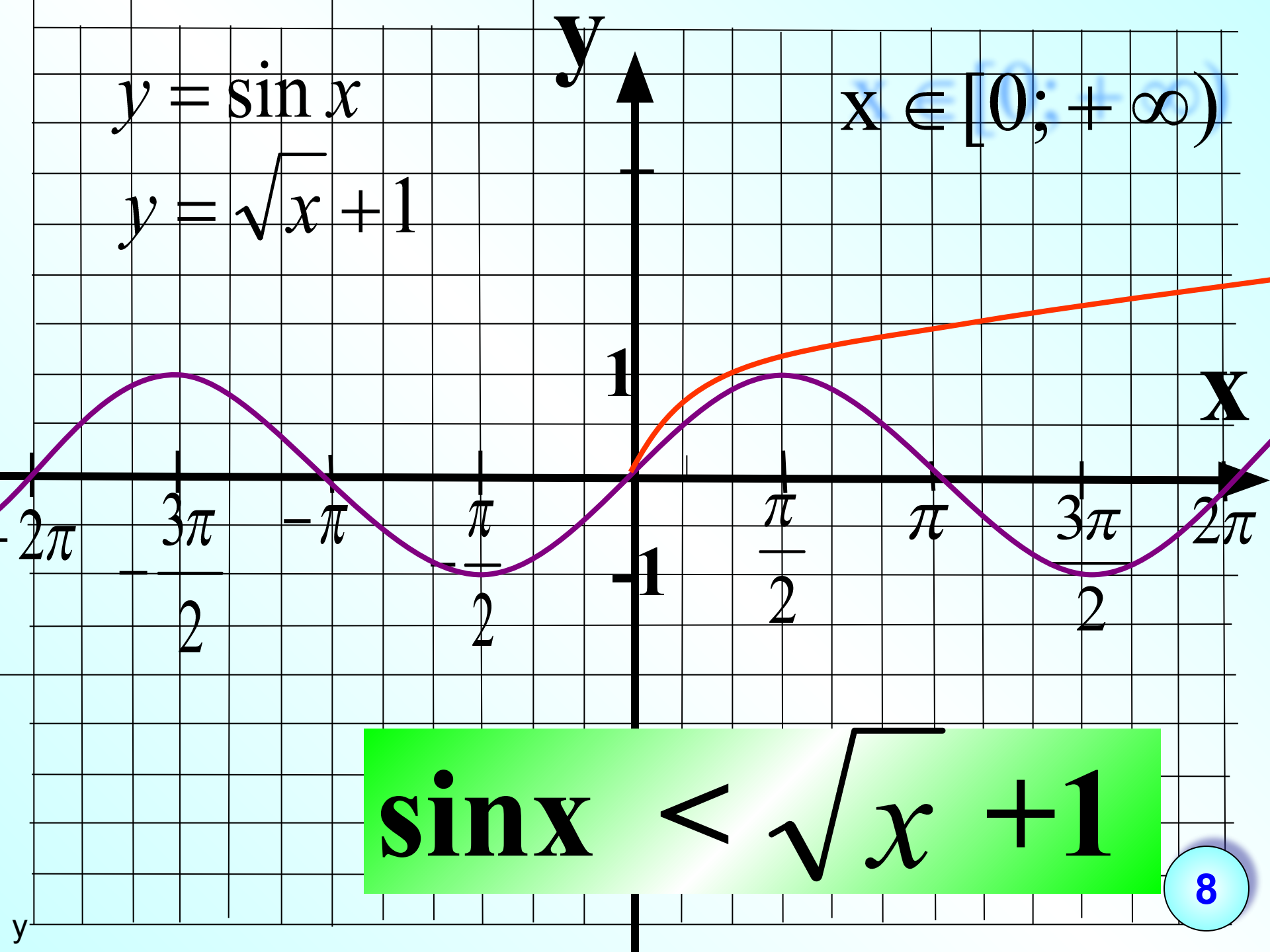

$y = \sin(x + \frac{\pi}{3})$
y
x
1
-1
$-\frac{\pi}{2}$
-2π
$-\frac{3\pi}{2}$
$-\pi$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$
2π
T

$y = \cos\left(x + \frac{\pi}{4}\right) - 3$

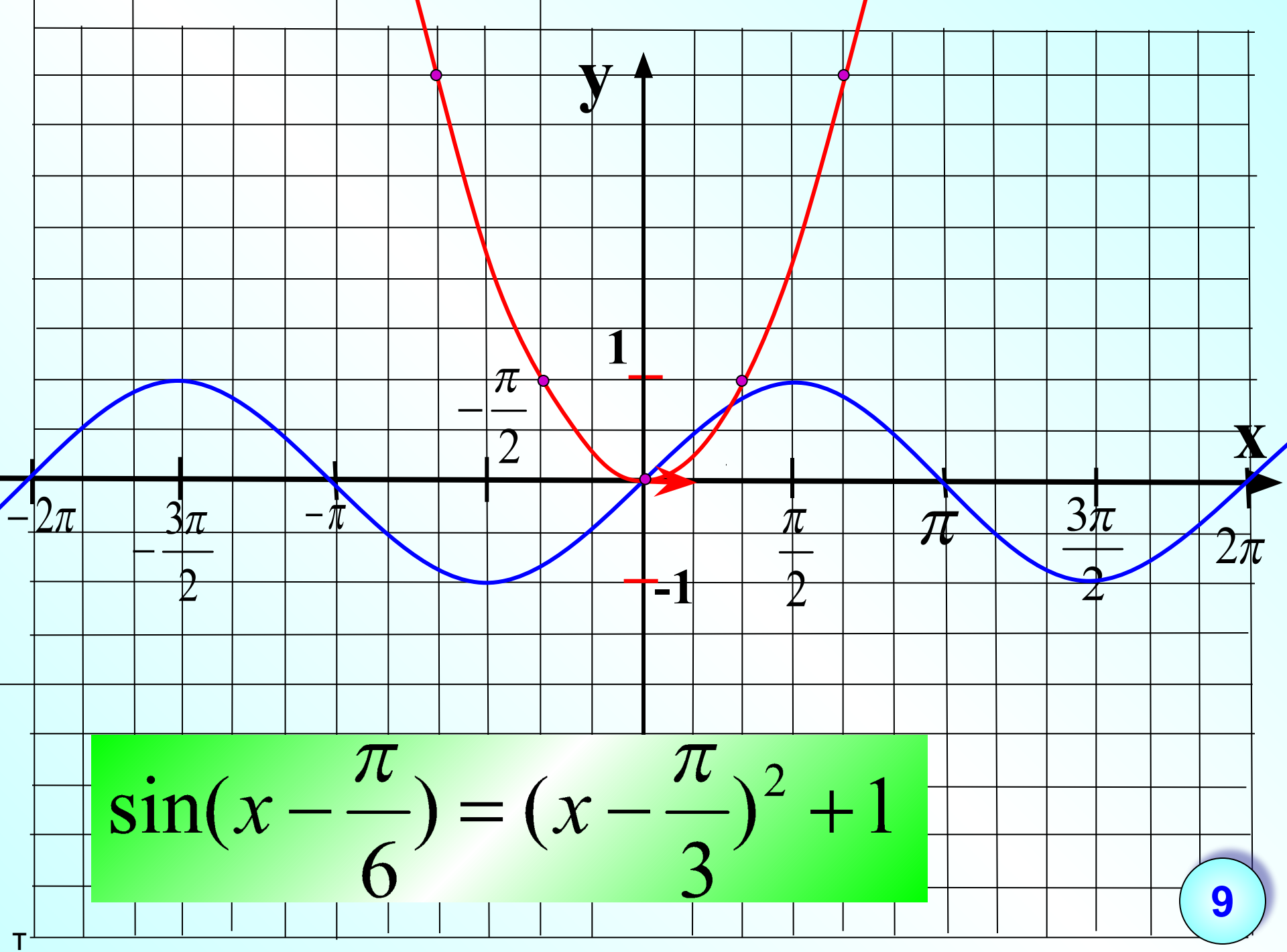



y
$y = \cos x$
$y = |x| + 1$
1
x
-2π
$-\frac{3\pi}{2}$
$-\pi$
$-\frac{\pi}{2}$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$
2π
x=0
cosx =1+|x|
y


y = cos x − 1
y = x²
y
x
1
−1
−2π
−3π/2
−π
−π/2
π/2
π
3π/2
2π
x=0
cosx − 1 = x²
7

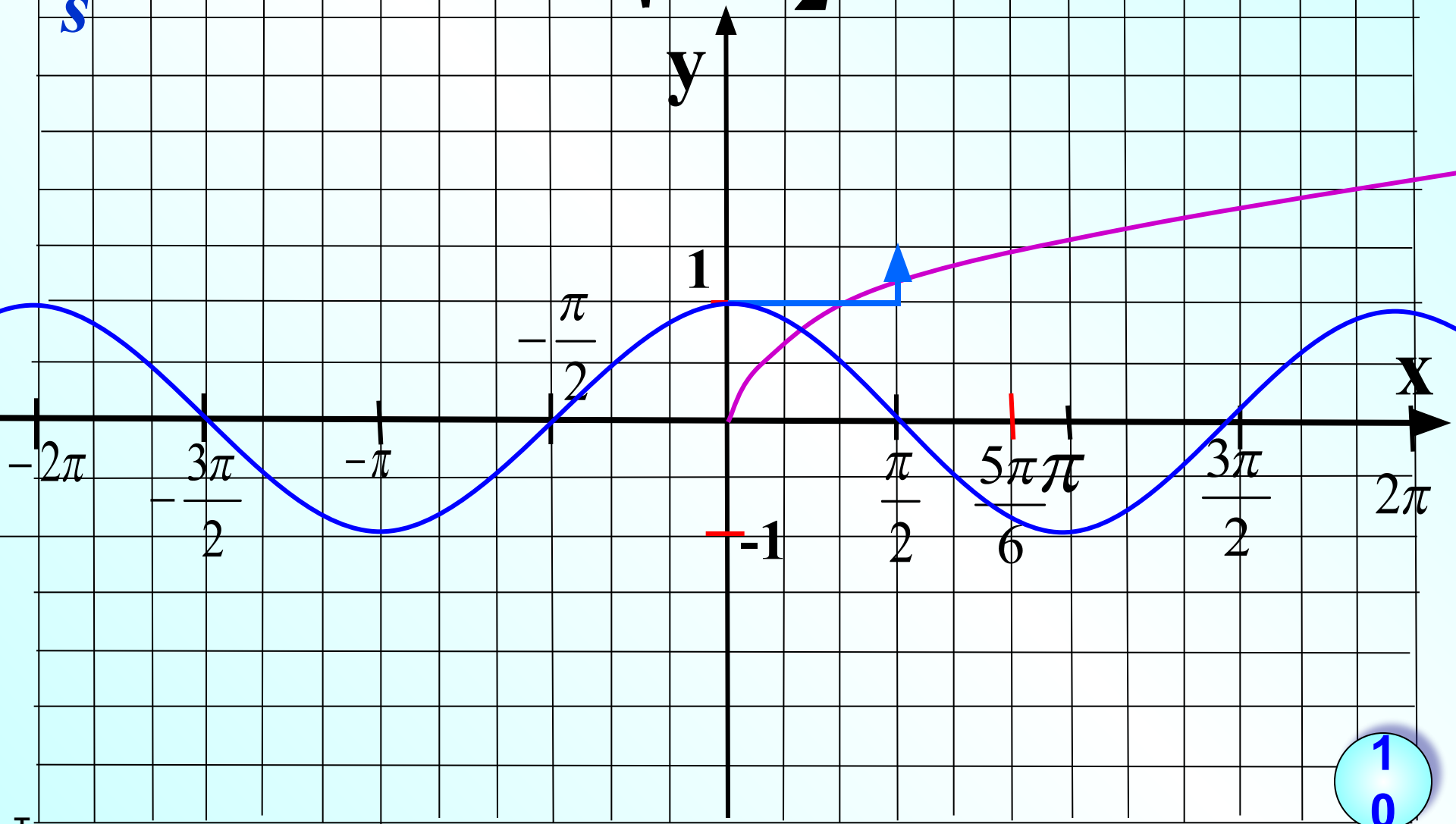

$y = \sin x$
$y = \sqrt{x} + 1$
$x \in [0; +\infty)$
y
x
1
-1
-2π
$-\frac{3\pi}{2}$
$-\pi$
$-\frac{\pi}{2}$
$\frac{\pi}{2}$
π
$\frac{3\pi}{2}$
2π

$$\sin x < \sqrt{x} + 1$$



$$\sin\left(x-\frac{\pi}{6}\right)=\left(x-\frac{\pi}{3}\right)^2+1$$

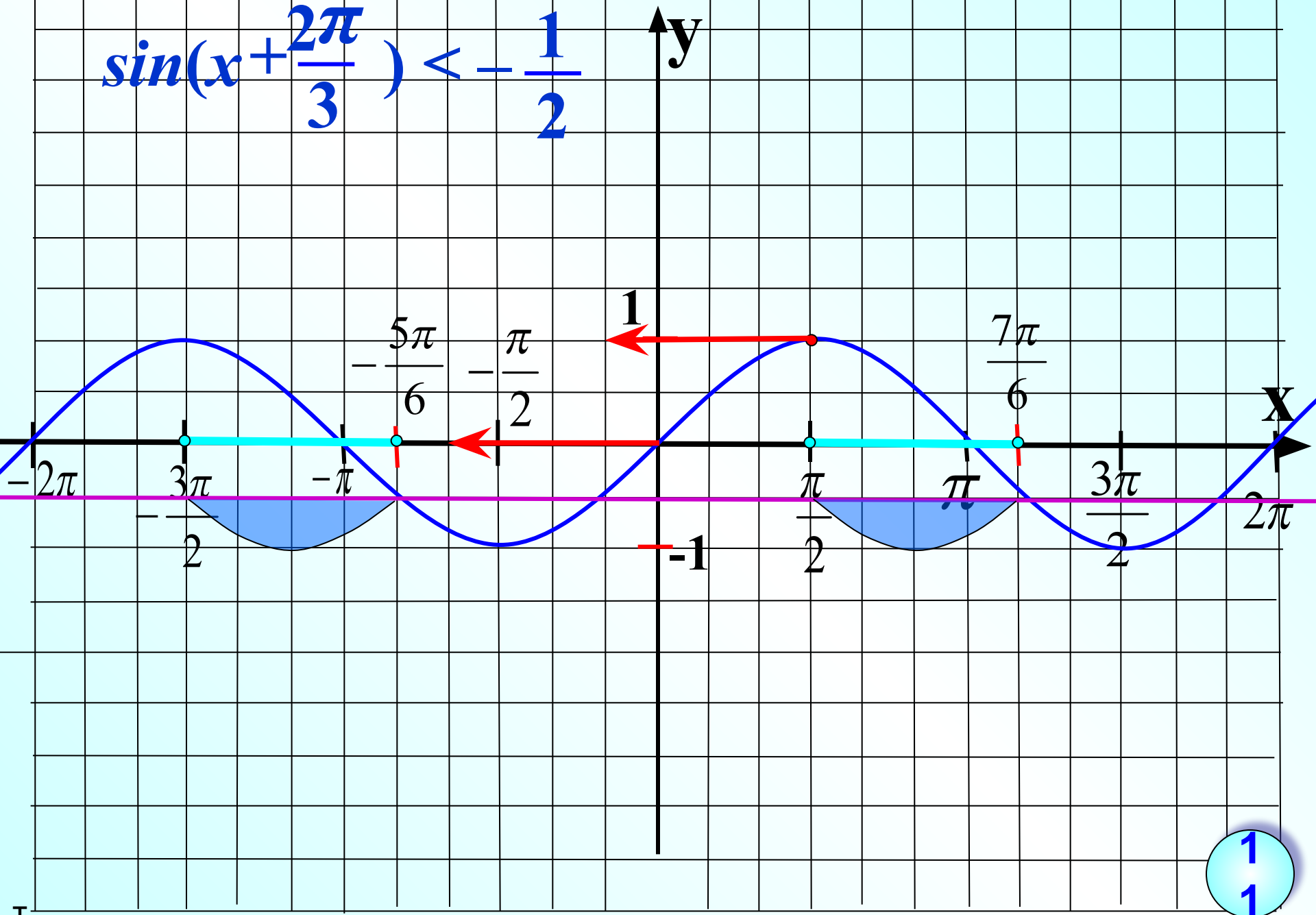
$$\cos\left(x-\frac{\pi}{2}\right)+0{,}5=\sqrt{x-\frac{\pi}{2}}$$



10

T

$$\sin\left(x+\frac{2\pi}{3}\right)<-\frac{1}{2}$$



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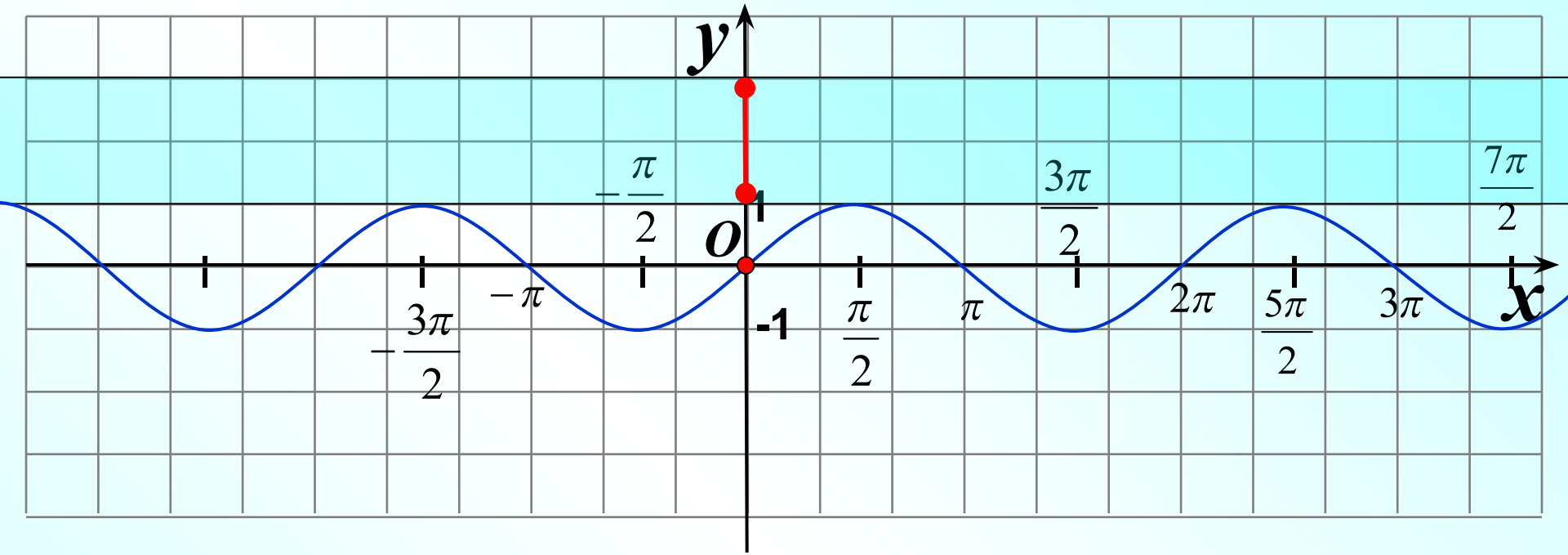

Найти область значений функции $y = \sin\left(x - \frac{3\pi}{2}\right) + 2$

$$E(y): y \in [1;3]$$

1
2

Умение строить графики нам нужны при …

- ✔ решении уравнений;
- ✔ решении неравенств;
- ✔ решении заданий, связанных с исследованием свойств функций.