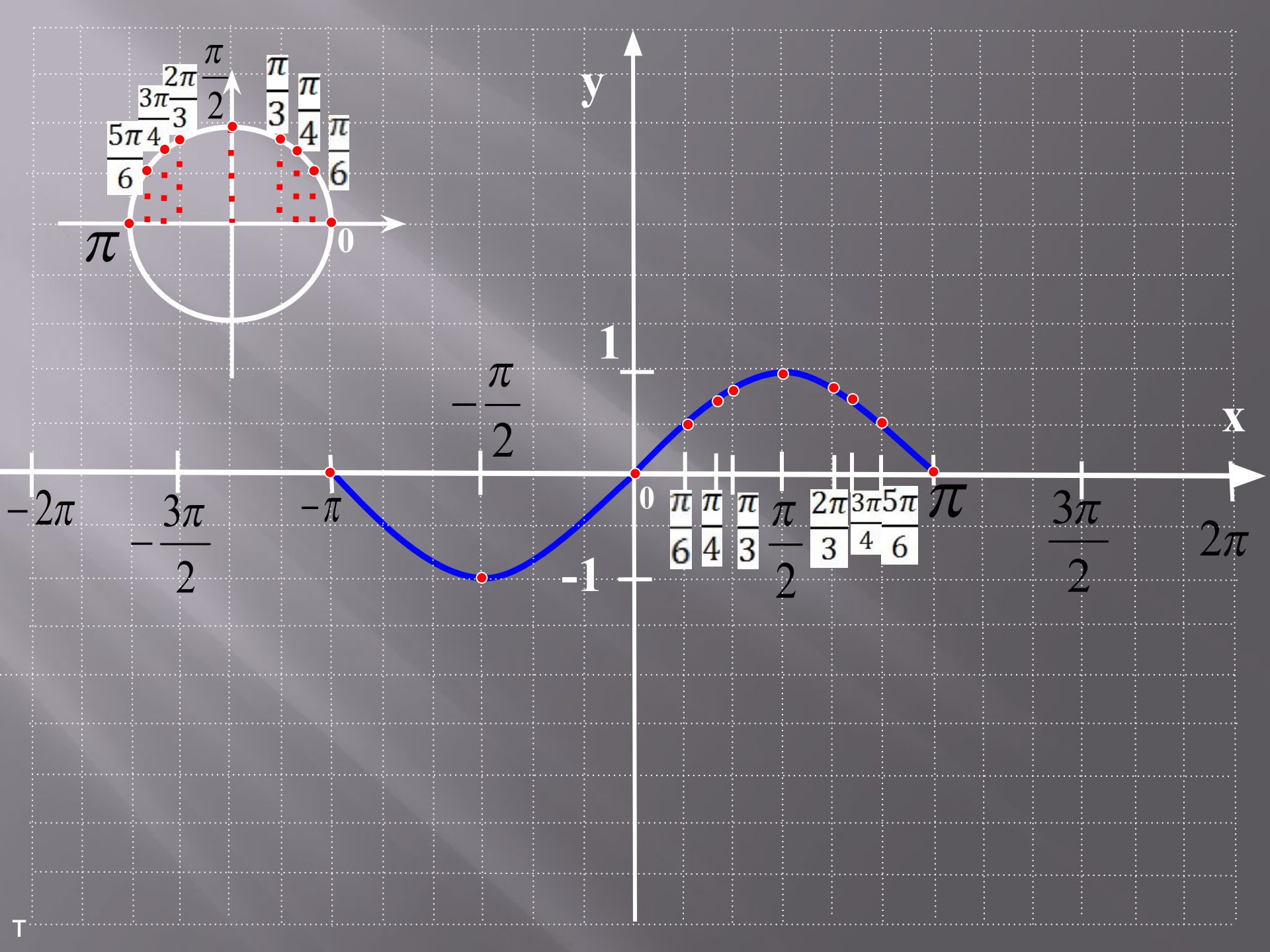
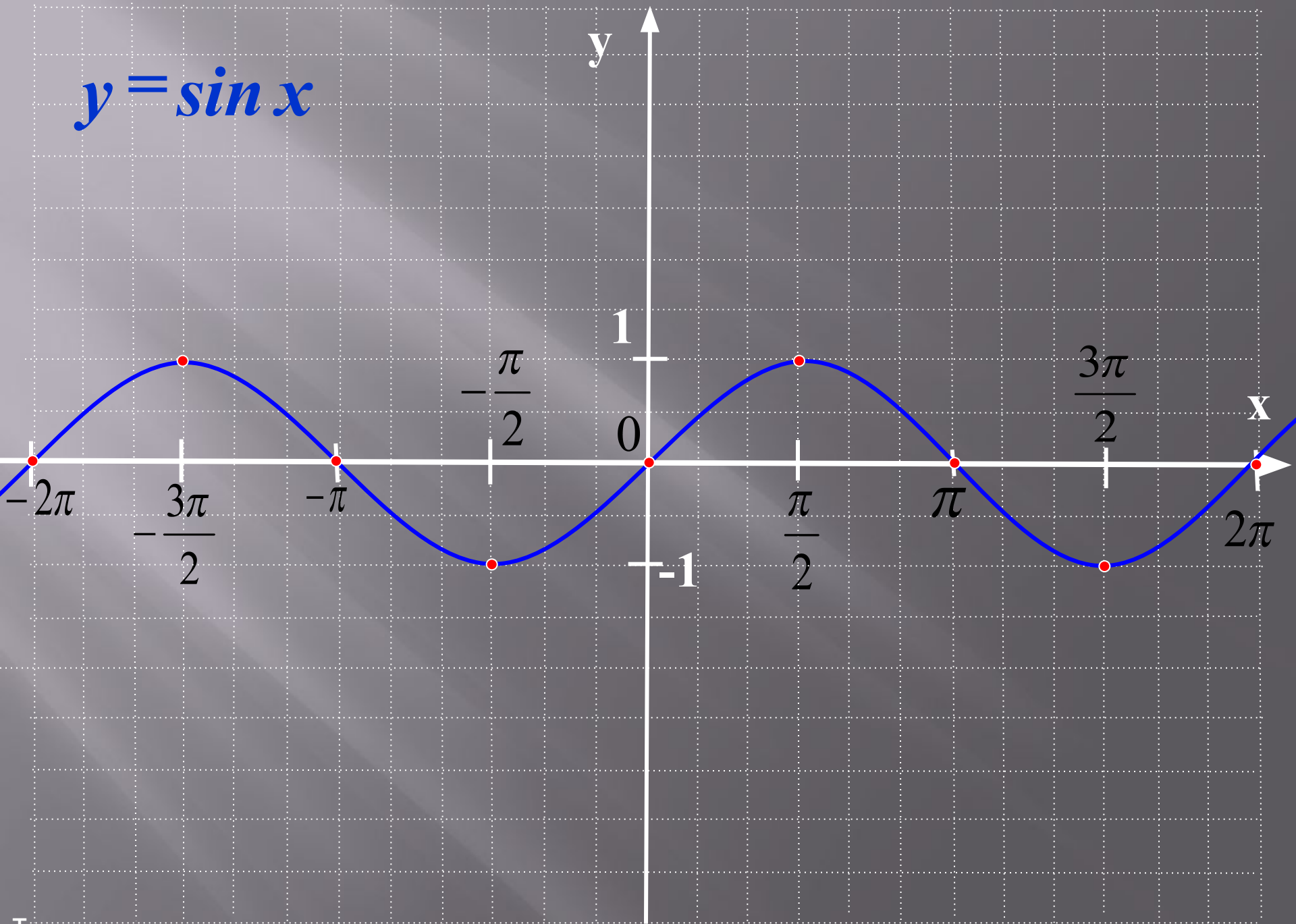
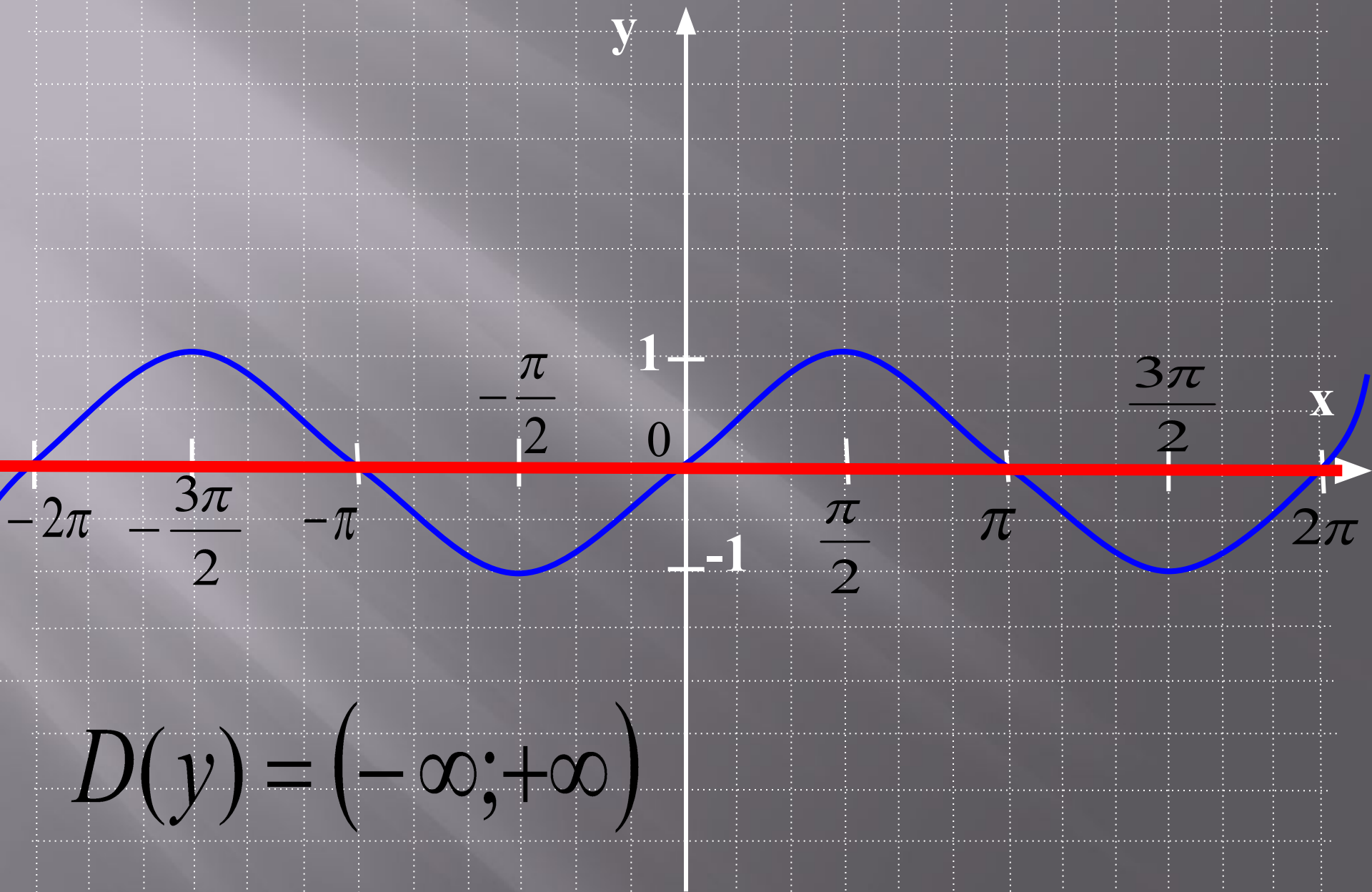


# ФУНКЦИЯ $Y=\sin x$ , ЕЁ СВОЙСТВА И ГРАФИК

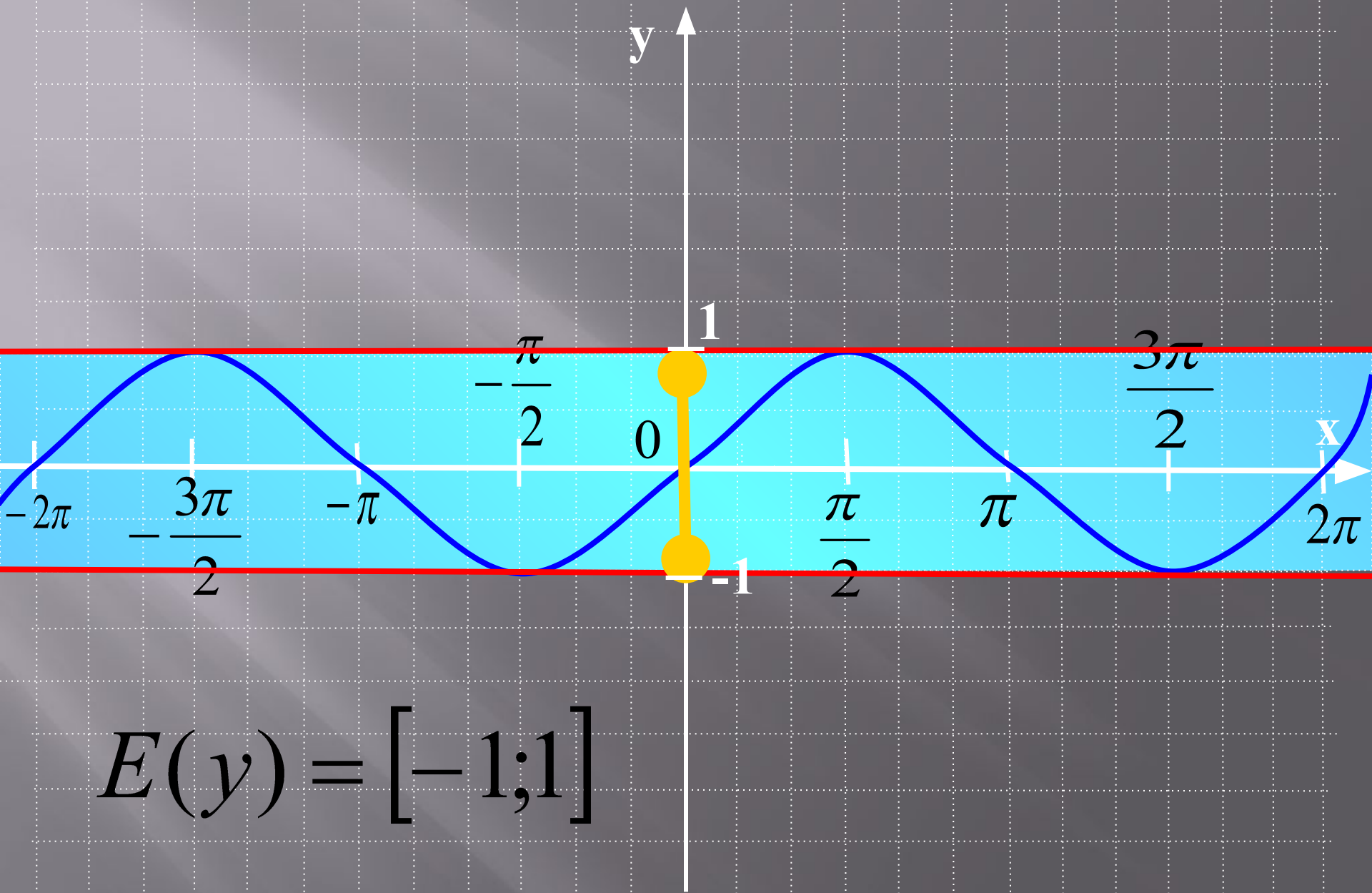


$$y = \sin x$$



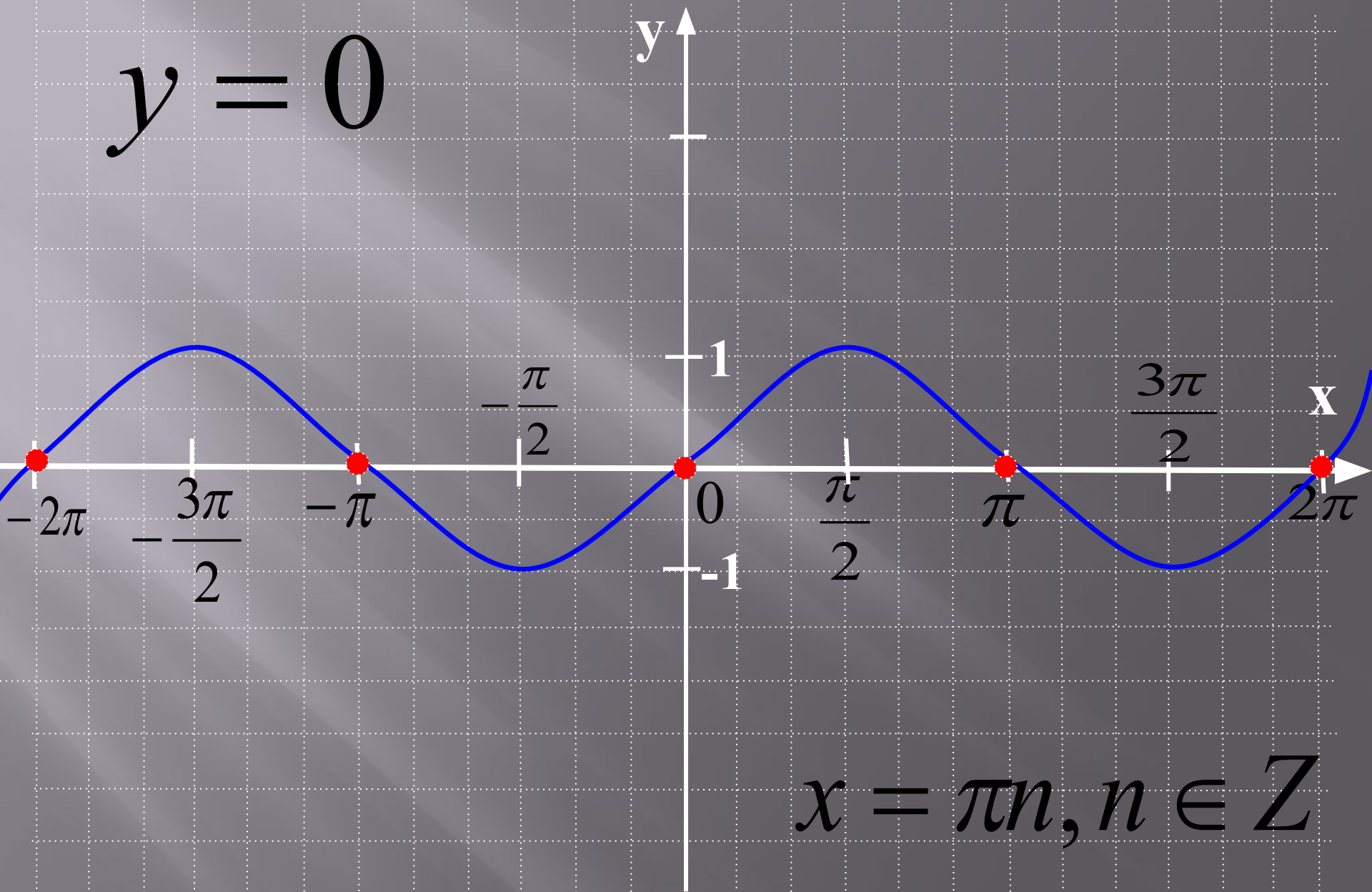


$$D(y) = (-\infty; +\infty)$$



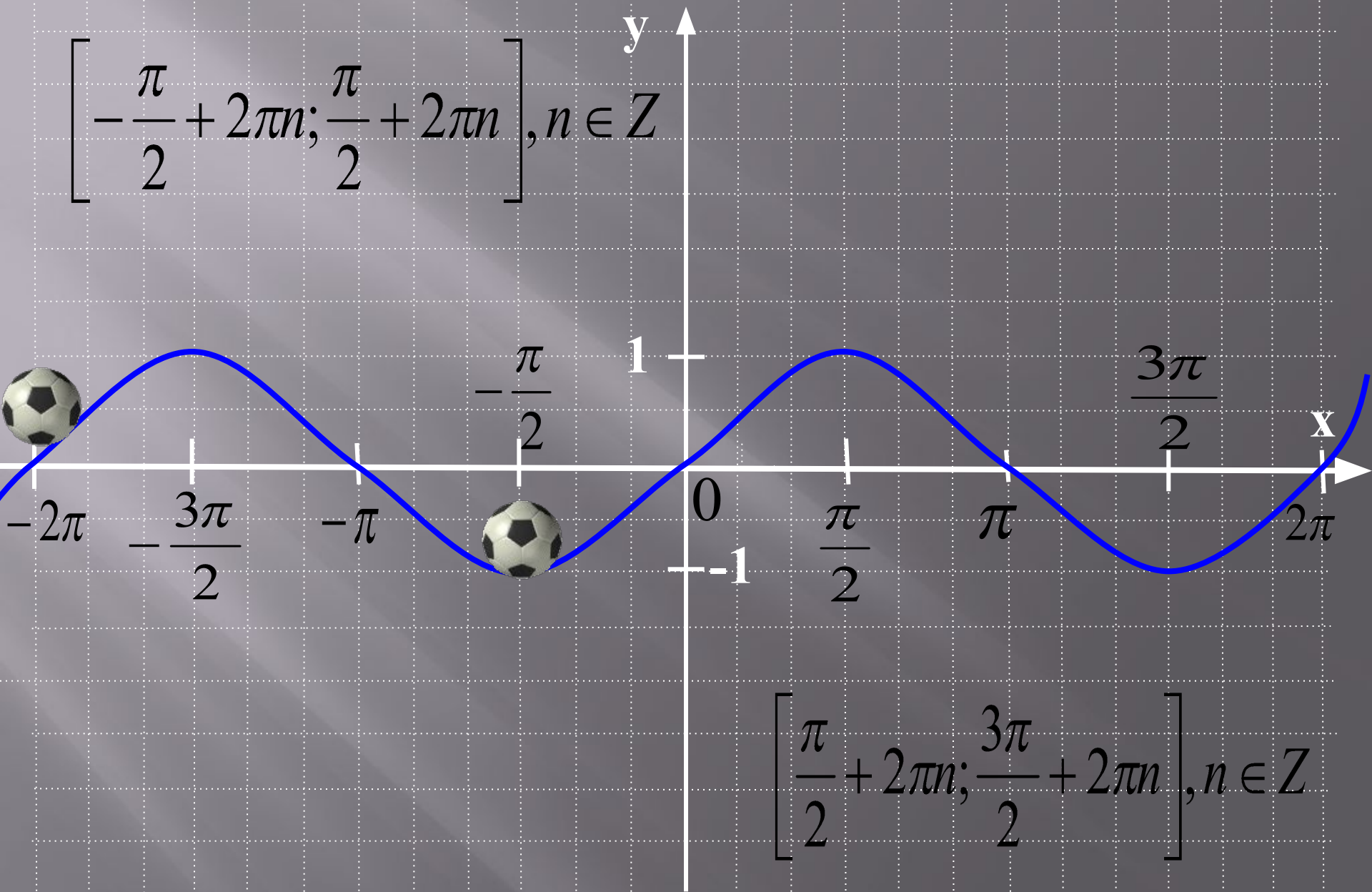
$$E(y) = [-1; 1]$$

$$y = 0$$



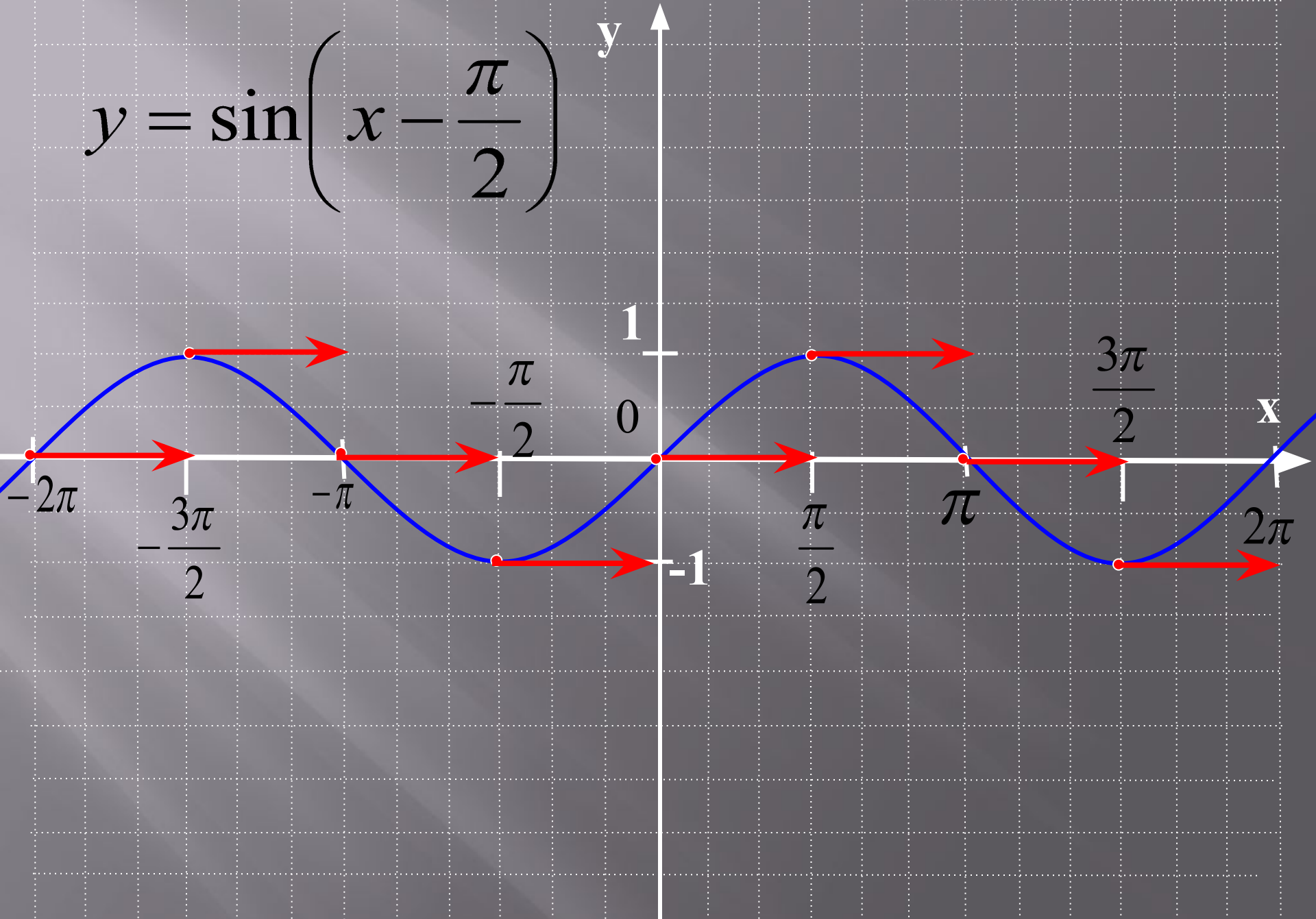
$$x = \pi n, n \in \mathbb{Z}$$

$$\left[ -\frac{\pi}{2} + 2\pi n; \frac{\pi}{2} + 2\pi n \right], n \in \mathbb{Z}$$



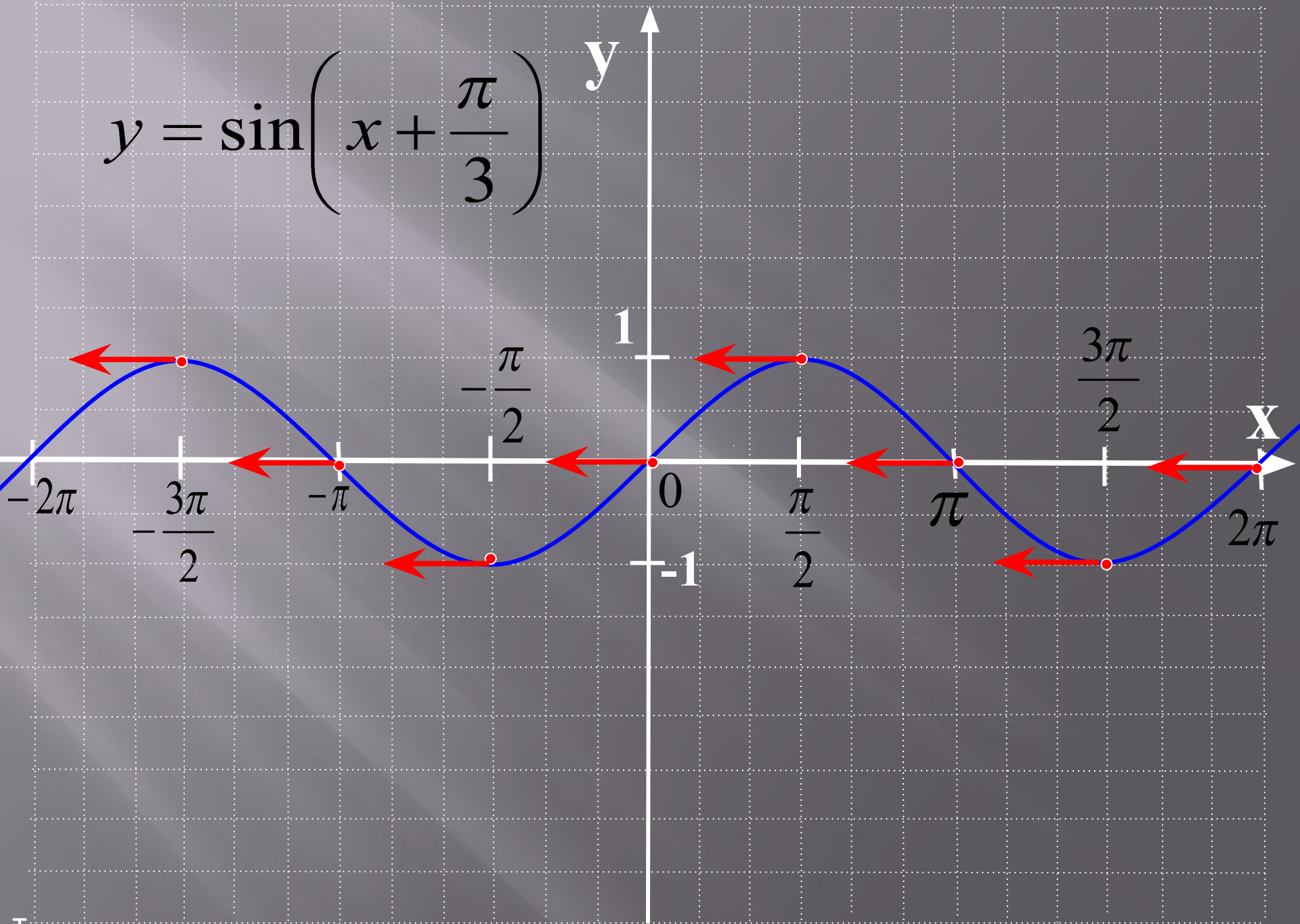
$$\left[ \frac{\pi}{2} + 2\pi n; \frac{3\pi}{2} + 2\pi n \right], n \in \mathbb{Z}$$

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

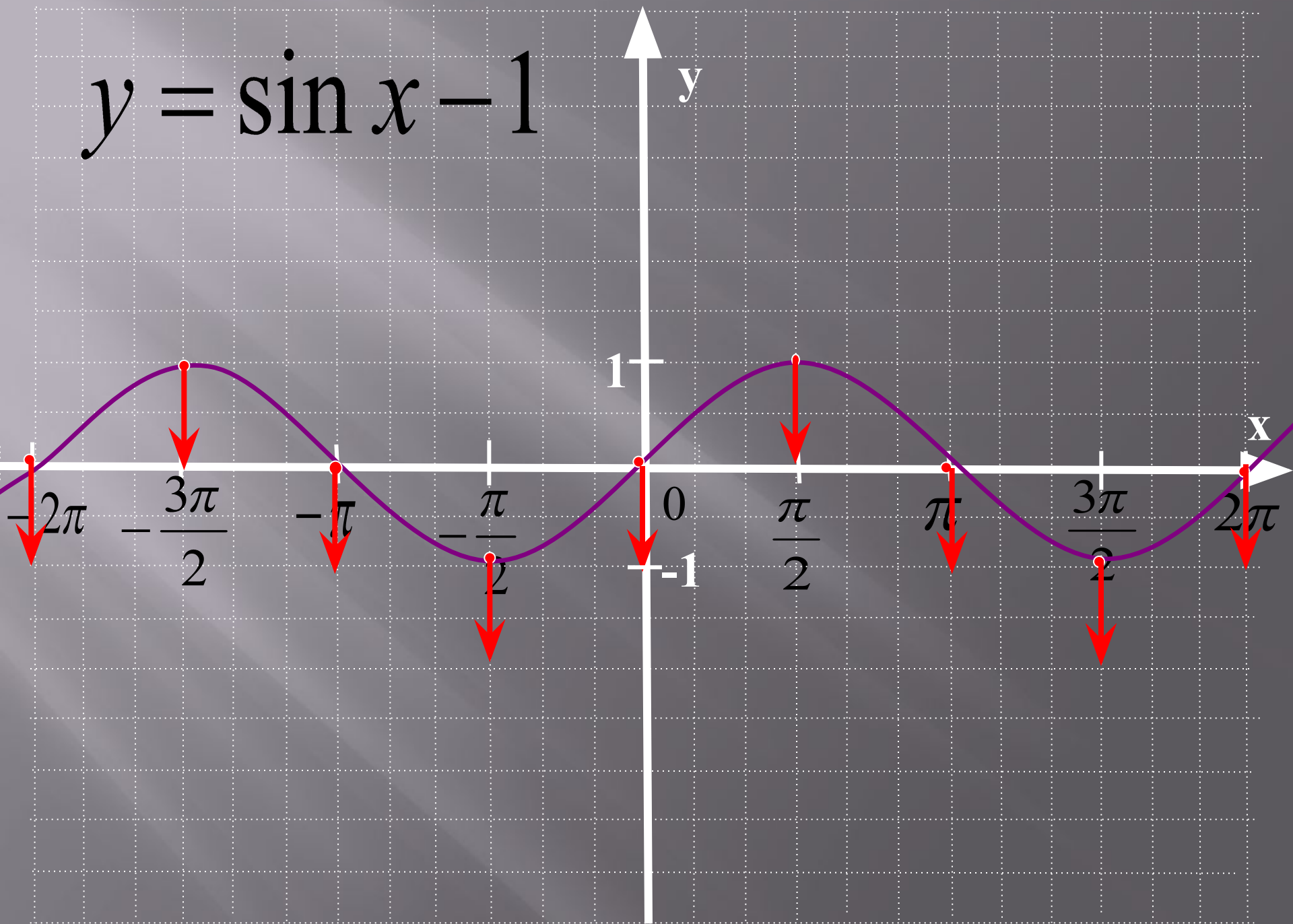




$$y = \sin\left(x + \frac{\pi}{3}\right)$$



$$y = \sin x - 1$$



$$y = \sin x + 2$$

