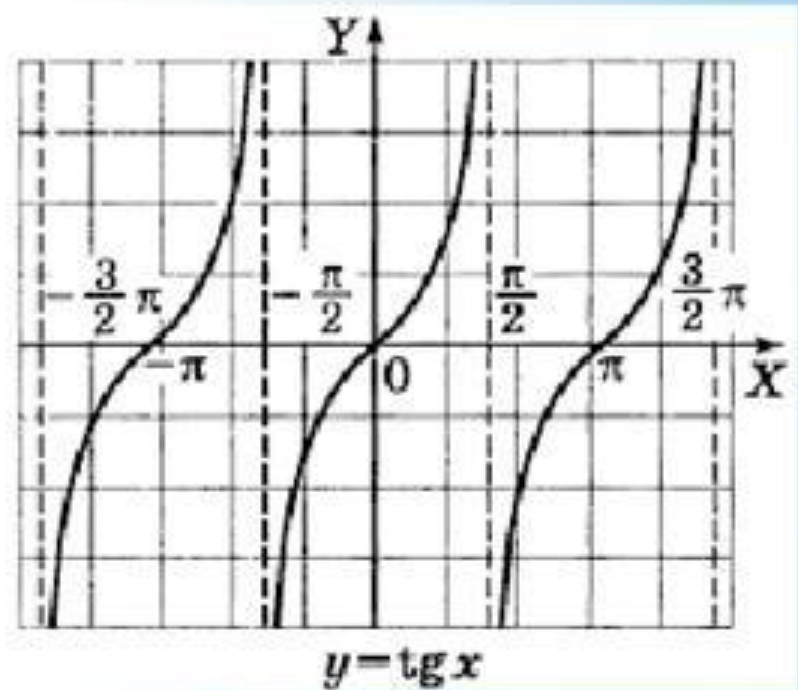
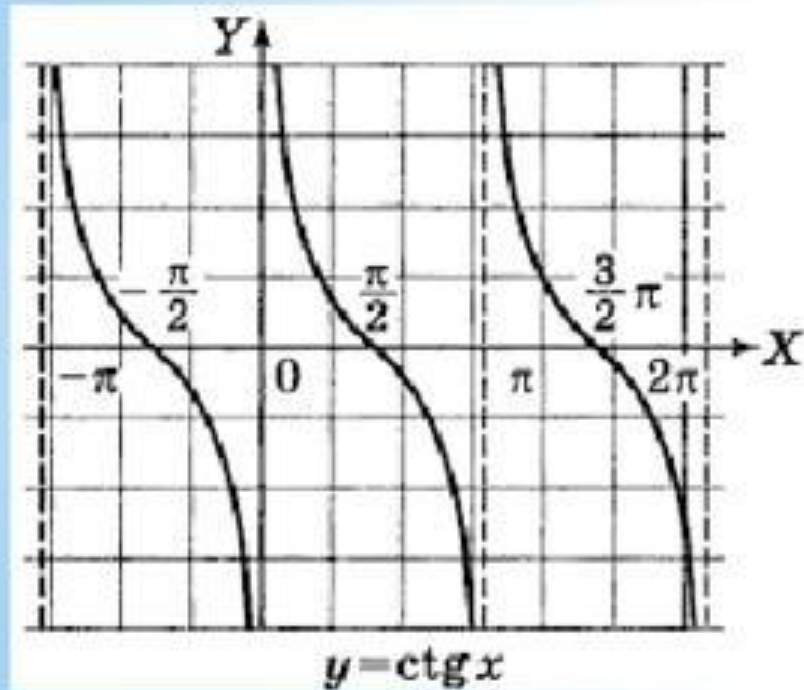
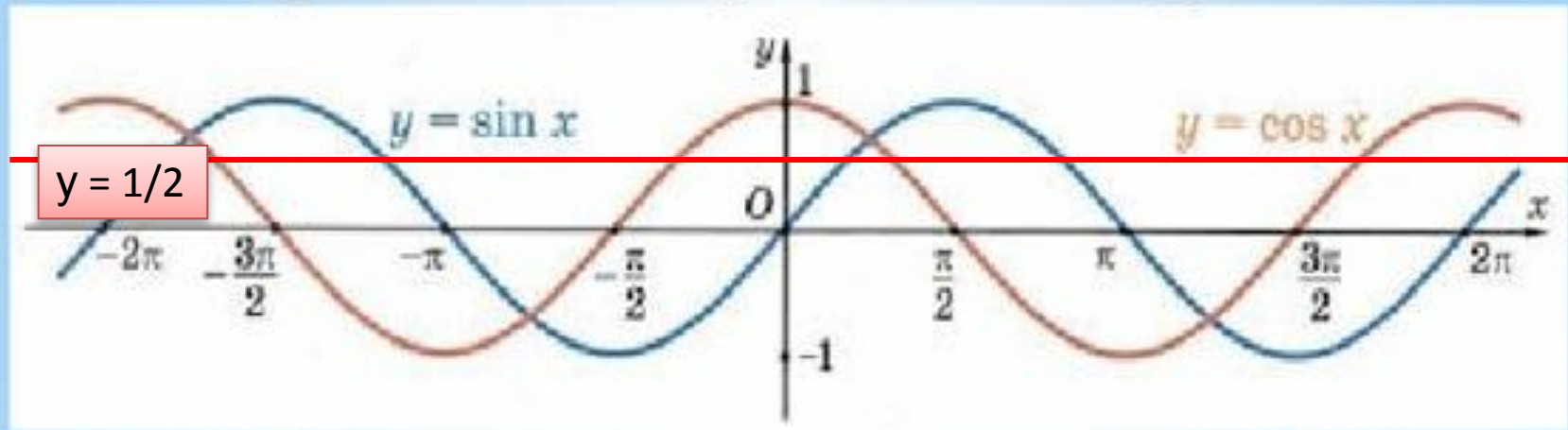


# Тригонометрические уравнения.

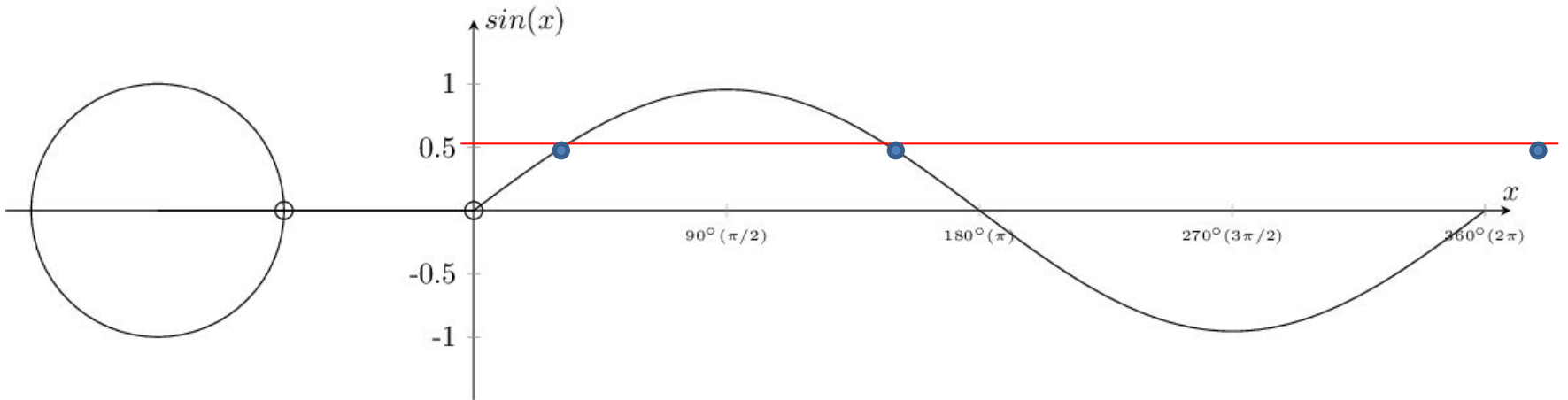
Урок №1

## Частные случаи.

# Тригонометрические функции

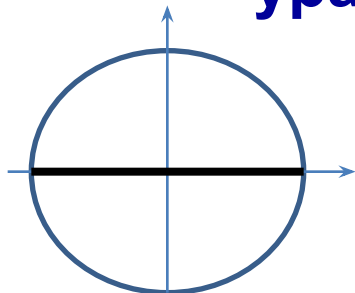
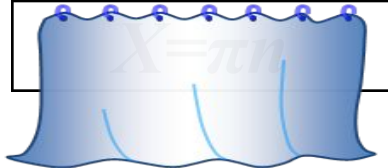


$$y = \sin x$$

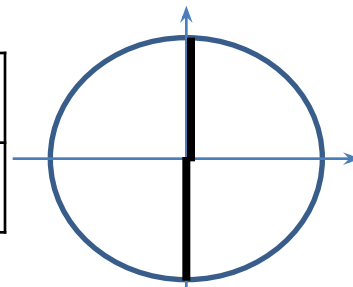
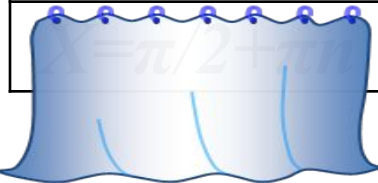


# Частные случаи решения тригонометрических уравнений

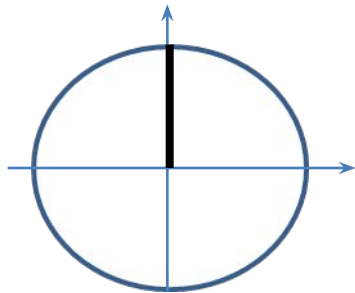
$$\sin x = 0$$



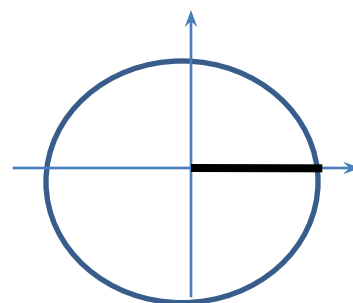
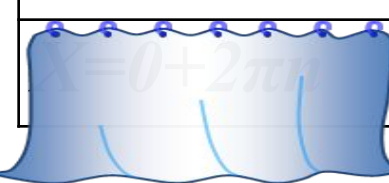
$$\cos x = 0$$



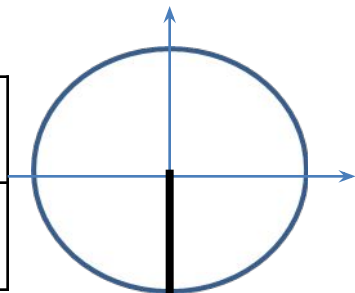
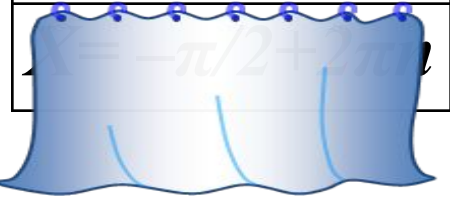
$$\sin x = 1$$



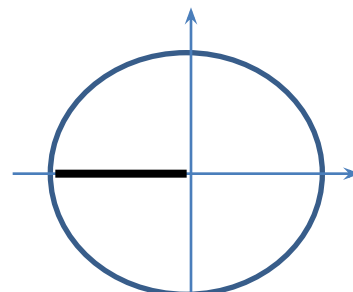
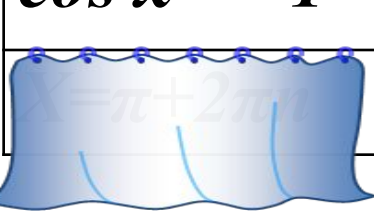
$$\cos x = 1$$



$$\sin x = -1$$



$$\cos x = -1$$



# Домашнее задание:

Решить уравнения

1.  $\cos 2x = -1$

2.  $\sin 3x = 1$

3.  $\cos x/2 = 1$

4.  $\sin x/4 = -1$

5.  $\sin (x + \pi/4) = 0$