

Укажите только ответы к
следующим уравнениям

1. **$\cos x = 0$**
2. **$\sin x = 0$**
3. **$\operatorname{tg} x = 0$**
4. **$\operatorname{ctg} x = 0$**
5. **$\cos x = 1$**
6. **$\sin x = 1$**
7. **$\cos x = -1$**
8. **$\sin x = -1$**
9. **$\cos x = 1/2$**
10. **$\sin x = 1/2$**
11. **$\operatorname{tg} x = \sqrt{3}$**
12. **$\operatorname{ctg} x = \sqrt{3}$**
13. **$\cos x = -1/2$**
14. **$\sin x = -1/2$**
15. **$\operatorname{tg} x = -\sqrt{3}$**
16. **$\operatorname{ctg} x = -\sqrt{3}$**

Ответы к устному счету

1. $x = \pi/2 + \pi n$

2. $x = \pi n$

3. $x = \pi n$

4. $x = \pi/2 + \pi n$

5. $x = 2\pi n$

6. $x = \pi/2 + 2\pi n$

7. $x = \pi + 2\pi n$

8. $x = -\pi/2 + 2\pi n$

9. $x = \pm \pi/3 + 2\pi n$

n

10. $x = (-1)^n \pi/6 + \pi n$

11. $x = \pi/3 + \pi n$

12. $x = \pi/6 + \pi n$

13. $x = \pm 2\pi/3 + 2\pi n$

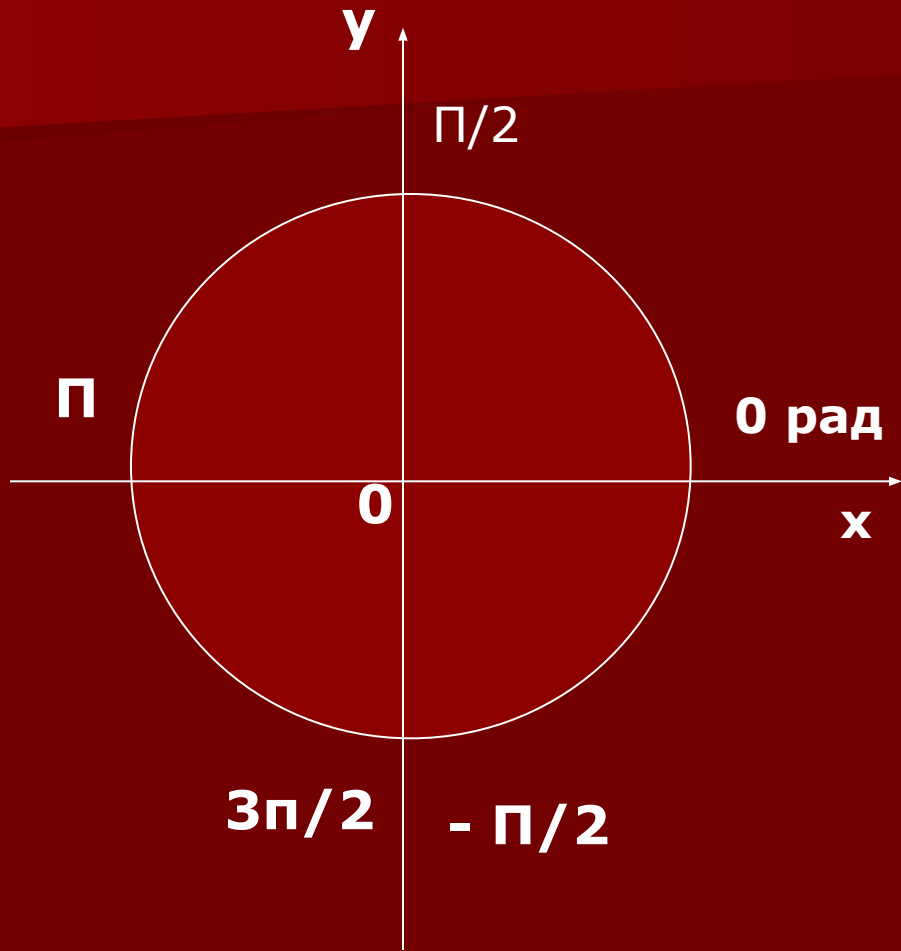
$n+1$

14. $x = (-1)^{n+1} \pi/6 + \pi n$

15. $x = -\pi/3 + \pi n$

16. $x = 5\pi/6 + \pi n$

Устный счет



$$\sin x = 1$$

$$\cos x = 0$$

$$\sin x = -1$$

$$\operatorname{tg} x = 0$$

$$\cos x = 1$$

$$\operatorname{ctg} x = 0$$

$$\sin x = \frac{1}{2}$$

$$\cos x = \frac{\sqrt{3}}{2}$$

$$\sin x = -\frac{\sqrt{3}}{2}$$

$$\cos x = -\frac{1}{2}$$

ОТВЕТЫ

$$\sin x = 1$$

$$x = \pi/2 + 2\pi n$$

$$\cos x = 0$$

$$x = \pi/2 + \pi n$$

$$\sin x = -1$$

$$x = -\pi/2 + 2\pi n$$

$$\operatorname{tg} x = 0$$

$$x = \pi n$$

$$\cos x = 1$$

$$x = 0 + 2\pi n$$

$$\operatorname{ctg} x = 0$$

$$x = \pi/2 + \pi n$$

$$\sin x = 1/2$$

$$x = (-1)^n \pi/6 + \pi n$$

$$\cos x = \sqrt{3}/2$$

$$x = \pm \pi/6 + 2\pi n$$

$$\sin x = -\sqrt{3}/2$$

$$x = (-1)^{n+1} \pi/3 + \pi n$$

$$\cos x = -1/2$$

$$x = \pm 2\pi/3 + 2\pi n$$