

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. $X = \pm 2\pi/3 + 2\pi n$

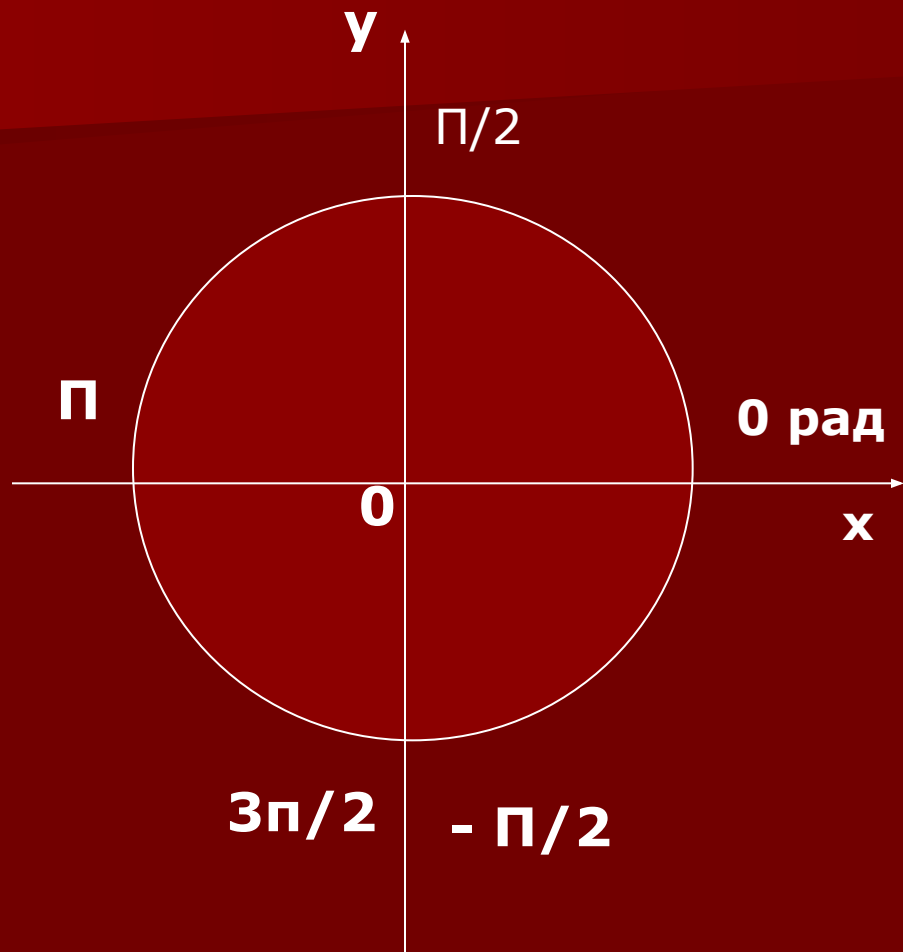
$n+1$

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

$$\sin x = 1$$

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

$$\cos x = 0$$

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

$$\sin x = -1$$

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

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

$$x = \pi n$$

$$\cos x = 1$$

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

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

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

$$\sin x = 1/2$$

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

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

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

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

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

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

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