***Тригонометрические уравнения***



1.**3 - 3 cos x = 2 sin2 x**

2.**cos2 2 x + 5 cos 2 x = 2 sin2 2 x**

3.**sin4 x = 1 + cos4 x**

4. 6 **sin x cos x = 5 cos 2 x**

5.**sin2 x + cos2 2 x = 1**

6.**sin 7 x = sin x**

7.**cos x – sin2 x cos x = 0**

8. **sin x – cos x = 1**

9. **sin2 x + 9 cos2 x = 5 sin 2 x**

10.  **sin x – cos x = 2**

11. **tg x + 3 ctg x = 4**

12. **sin4 x + cos4 x = cos2 2 x + ¼**

13. **sin10 x + cos10 x = 1**